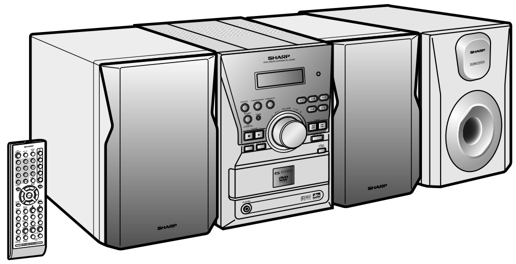
SHARP SERVICE MANUAL

No. S2517XLDV60//



DVD MICRO SYSTEM

MODEL XL-DV60

XL-DV60 DVD Micro System consisting of XL-DV60 (main unit), CP-DV60F (front speakers) and CP-DV60SW(sub-woofer).

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

CONTENTS

SHARP CORPORATION

CHAPTER 1. GENERAL DESCRIPTION

[1] PRECAUTION FOR USING LEAD-FREE SOLDER

1. Employing lead-free solder (From Serial No. 503040001)

"MAIN,TUNER,DISPLAY,VIDEO TERMINAL,JACK,SWITCH,DVD,POWER AMP.,PWB" of this model employs lead-free solder.
The LF symbol indicates lead-free solder, and is attached on the PWB and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

LFa

Sn-Ag-Cu Indicates lead-free solder of tin, silver and copper.

2. Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.
As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40 °C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

3. Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220 °C which is higher than the conventional lead solder by 40 °C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.
Lead-free solder contains more tin, and the end of the soldering bit may be easily corrected. Make sure to turn on and off the power of the bit as required.
If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.
When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

Ref No.	Parts No.	Description
PWB-A	DCEKKV521SJ03	Main(A1)/Tuner(A2)
PWB-B	DCEKNV521SJ03	DISPLAY(B1)/Video Terminal(B2)/Jack(B3)/Switch(B4)
PWB-C	DCEKDV521SJ03	DVD
PWB-D	DCEKSV521SJ03	Power Amp.

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

[2] IMPORTANT SERVICE NOTES (FOR U.S.A. ONLY)

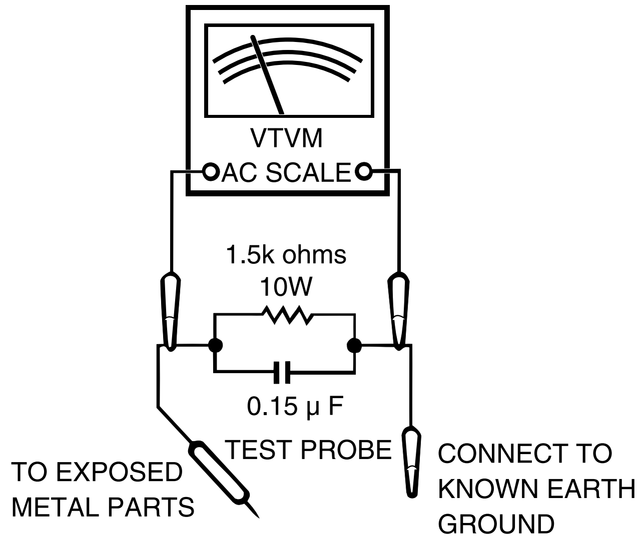
BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

Before returning the audio product to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

* Plug the AC line cord directly into a 120 volt AC outlet.
* Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15μF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.
* Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).
* Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.



All check must be repeated with the AC line cord plug connection reversed.

Any reading of 0.3 volt RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the audio product to the owner.

[3] SPECIFICATIONS

■ General

Power source	AC 120 V, 60 Hz
Power consumption	116 W
Dimensions	Width: 6-5/16" (160 mm) Height: 9-7/16" (240 mm) Depth: 12-9/16" (319 mm)
Weight	12.3 lbs. (5.6 kg)

■ Amplifier

Output power	Front speakers: 37.5 watts minimum RMS per channel into 6 ohms from 100 Hz to 20 kHz, 10% total harmonic distortion Subwoofer: 45 watts minimum RMS into 6 ohms from 70 Hz to 130 Hz, 10% total harmonic distortion
Audio output terminals	Front speakers and subwoofer: 6 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) Optical digital output: Square type × 1
Audio input terminals	Video/Auxiliary (audio signal): 500 mV/47 k ohms
Video output terminals	Video output: RCA type × 1 S-video output: S-terminal × 1 Component video output: RCA type × 3 (Pr/Cr, Pb/Cb, Y)

■ DVD player

Type	5-disc multi-play compact disc player	
Signal readout	NTSC color	
Supported disc types	DVD (region number 1, ALL), video CD, audio CD, CD-R, CD-RW	
Video signal	Horizontal resolution: 500 lines S/N ratio: 75 dB	
Audio signal	Frequency characteristics	Linear PCM DVD: 30 Hz to 20 kHz (sampling rate: 48 kHz) 30 Hz to 20 kHz (sampling rate: 96 kHz) CD: 30 Hz to 20 kHz
	S/N ratio	CD: 95 dB (1 kHz)
	Dynamic range	Linear PCM DVD: 92 dB CD: 92 dB
	Total harmonic distortion ratio	0.14 %

Specifications for this model are subject to change without prior notice.

■ Tuner

Frequency range	FM: 87.5 - 108 MHz AM: 530 - 1,720 kHz

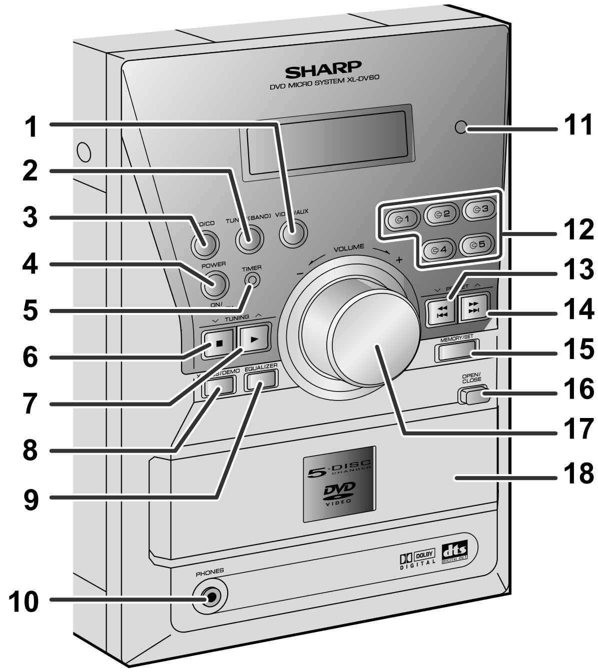
■ Front speaker

Type	2-way type speaker system (magnetic shield) 1-9/18" (4 cm) semi dome tweeter 4" (10 cm) woofer
Maximum input power	75 W
Rated input power	37.5 W
Impedance	6 ohms
Dimensions	Width: 6-1/2" (165 mm) Height: 9-7/16" (240 mm) Depth: 9-3/8" (238 mm)
Weight	5.1 lbs. (2.3 kg)/each

■ Subwoofer

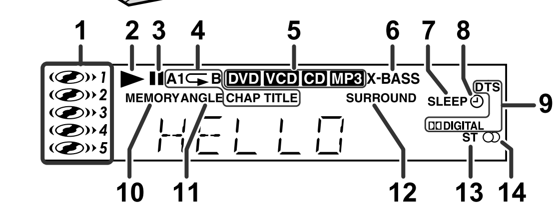
Type	Subwoofer system (magnetic shield) 5-1/8" (13 cm) woofer
Maximum input power	90 W
Rated input power	45 W
Impedance	6 ohms
Dimensions	Width: 6-5/16" (160 mm) Height: 9-7/16" (240 mm) Depth: 11-1/4" (285 mm)
Weight	7.3 lbs. (3.3 kg)

[4] NAMES OF PARTS



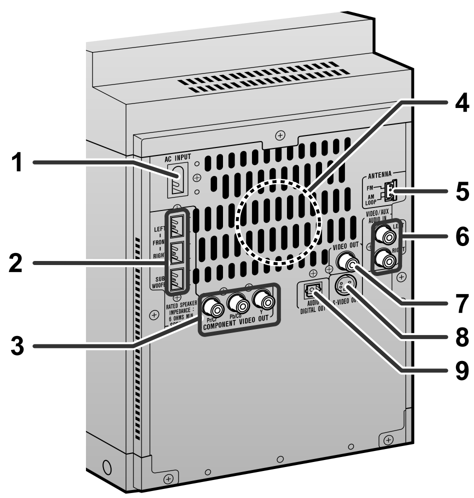
■ Front panel

1. Video/Auxiliary Button
2. Tuner (Band) Button
3. DVD/CD Button
4. Power On/Stand-by Button
5. Timer Indicator
6. Stop or Tuning Down Button
7. Play or Tuning Up Button
8. Extra Bass/Demo Mode Button
9. Equalizer Mode Select Button
10. Headphone Jack
11. Remote Sensor
12. Disc Number Select Buttons
13. Chapter (Track) Skip Down or Fast Reverse, Tuner Preset Down Button
14. Chapter (Track) Skip Up or Fast Forward, Tuner Preset Up Button
15. Memory/Set Button
16. Disc Compartment Open/Close Button
17. Volume Control
18. Disc Compartment



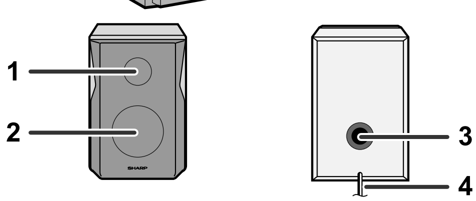
■ Display

1. Disc Number Indicators
2. Play Indicator
3. Pause Indicator
4. Repeat Play Indicators
5. Disc Type Indicators
6. Extra Bass Indicator
7. Sleep Indicator
8. Timer Play Indicator
9. Sound Mode Indicators
10. Memory Indicator
11. Angle Indicator
12. Surround Mode Indicator
13. FM Stereo Mode Indicator
14. FM Stereo Receiving Indicator



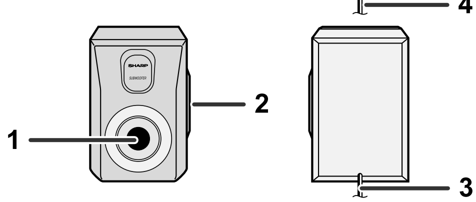
■ Rear panel

1. AC Power Input Jack
2. Speaker Terminals
3. Component Video Output Jacks
4. Cooling Fan
5. FM/AM Loop Antenna Jack
6. Video/Auxiliary (Audio Signal) Input Jacks
7. Video Output Jack
8. S-video Output Jack
9. Optical Digital Audio Output Jack



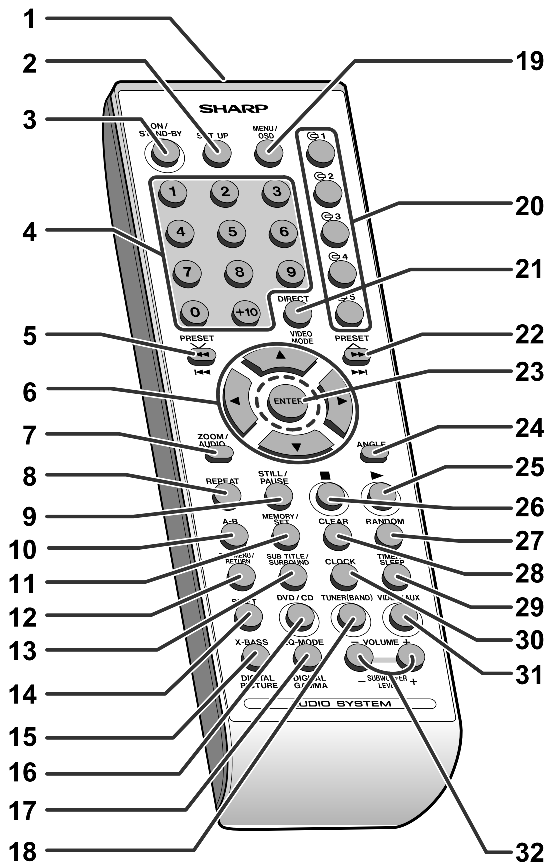
■ Front speaker

1. Semi Dome Tweeter
2. Woofer
3. Bass Reflex Duct
4. Speaker Wire



■ Subwoofer

1. Sub Duct Pipe
2. Subwoofer
3. Speaker Wire



■ Remote control

1. Remote Control Transmitter
2. DVD Setup Button
3. Power On/Stand-by Button
4. Direct Number Buttons
5. Chapter (Track) Skip Down or Fast Reverse, Tuner Preset Down, Time Down Button
6. Cursor Buttons
7. Zoom or Audio Select Button
8. Repeat Play Button
9. Frame Advance or Pause Button
10. A - B Repeat Button
11. Memory/Set Button
12. Top Menu or Return Button
13. Subtitle or Surround Mode Select Button
14. Shift Button
15. Extra Bass or Digital Picture Select Button
16. DVD/CD Button
17. Equalizer Mode Select or Digital Gamma Button
18. Tuner (Band) Button
19. Menu or On Screen Display Select Button
20. Disc Number Select Buttons
21. Direct or Video Mode Select Button
22. Chapter (Track) Skip Up or Fast Forward, Tuner Preset Up, Time Up Button
23. Enter Button
24. Angle Select Button
25. Play Button
26. Stop Button
27. Random Button
28. Clear Button
29. Timer/Sleep Button
30. Clock Button
31. Video/Auxiliary Button
32. Volume or Subwoofer Level Up and Down Buttons

CHAPTER 2. ADJUSTMENTS

[1] ADJUSTMENT

1. TUNER SECTION

fL: Low-range frequency

fH: High-range frequency

• **AM IF/RF**

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
IF	450 kHz	1,602 kHz	T351	*1
AM Band Coverage	—	530 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	T302	*3

*1. Input: IC303 21Pin Output: IC303 23Pin
*2. Input: Input is not connected Output: TP-VT(TP301)
*3. Input: Antenna Output:IC303 23Pin

• **Check FM VT**

Signal generator: 1 kHz, 40 kHz dev., FM modulated

Frequency	Display	Check Point	Instrument Connection
87.5 MHz	87.5 MHz	3.4V ± 1.0V	TP301
108 MHz	108 MHz	7.8V ± 1.0V	TP301

• **FM Mute Level**

Signal generator: 1 kHz, 40 kHz dev., FM modulated

Frequency	Display	Adjusting Parts	Instrument Connection
98.00 MHz (30 dBμV)	98.00 MHz	VR351	Input: Antenna Output: Speaker Terminal

• **FM Detection**

Signal generator: 10.7 MHz FM sweep generator

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
FM IF	10.7 MHz	98.00 MHz	T304	Input: Pin 1 of IC301 Output: Pin 18 of IC303

• **FM RF**

Signal generator: 1 kHz, 75 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
FM OSC.	—	87.50 MHz	(fL): L303 3.4 ± 0.1 V	*1
FM RF	98.00 MHz (10 ~ 20dB)	98.00 MHz	L302	*1

*1. Input: Antenna Output: 18 Pin of IC303

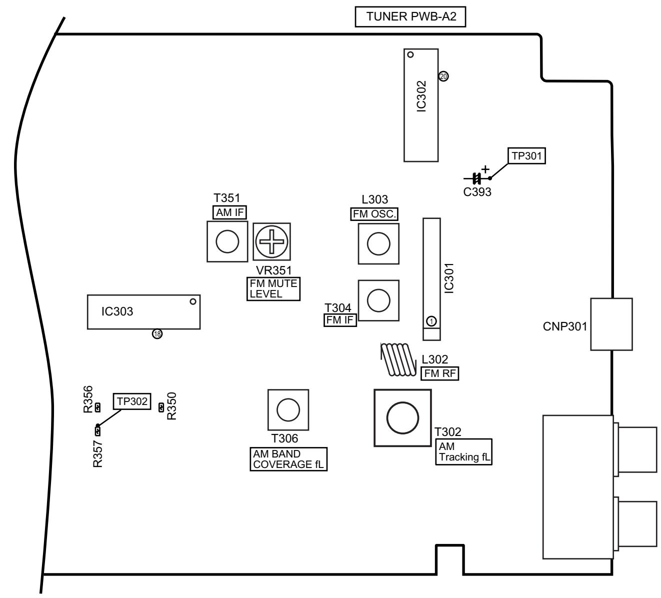


Figure 1 ADJUSTMENT POINTS

2. DVD/CD SECTION

• **Adjustment**

Since this DVD/CD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWBs and pickups can be combined freely.

Each time a disc is changed, these adjustments are performed automatically. Therefore, playback of each disc can be performed under optimum conditions.

[2] TEST MODE

The test mode applied to this microcomputer has three modes, namely the ordinary test mode for adjustment or measurement, the aging test mode, and the self-diagnosis test mode for self-judgment in case of final product inspection.

1. Turning on the test mode

For obtaining each test mode, press the Power ON/STAND BY button, while keeping pressing the following two buttons in the ordinary stand-by mode (power off). In this case, the main unit buttons are valid. When turning the POWER on with remote control buttons, test modes are not obtained.

[Ordinary test mode]

1. Tuner Test Mode (TEST 2)...
   TUNER(BAND) + DISC1
2. Electronic Volume Test Mode (TEST 3)..................................
   TUNING DOWN + VOLUME UP
3. Timer Test Mode (TEST 4)...
   TUNING UP + DISC5
4. FL Test Mode (TEST 5)...
   PRESET DOWN + VOLUME DOWN
5. DVD MECHANISM Aging Test Mode (TEST 8)......................
   DVD/CD + Equalizer

[Self-diagnosis Test Mode]

1. Button input diagnosis test mode (TEST 6).............................
   PRESET UP + DISC5

Processes are different depending on destinations at initial settings.

2. Tuner Test Mode (TEST 2)

1. Outline of tuner (radio) test mode

   The tuner test mode is intended to store the adjustment and measurement frequencies in the preset memory CH. When adjusting the tuner section in the production line, adjusting personnel are not required to set frequency.

2. Details of tuner test mode

   Press the "TUNER(BAND)" button and "VOLUME UP" jog in POWER OFF state and turn on the power by the use of "POWER ON/STAND BY" button to preset and store frequency for adjustment and measurement of destination specified by the AREA terminal in the preset memory CH. However, Ordinary 1 and Ordinary 2 are stored in the destinations when the test mode is obtained.

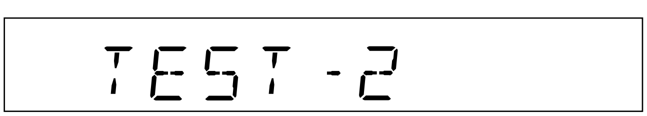
(As for frequencies to be preset and stored for each destination, refer to item 3.)

The tuner test mode is started from preset No.1.

The operations of test mode are identical with the ordinary operations of TUNER function. FUNCTION switching is invalid.

It is necessary to discard the content of preset memory when the tuner test mode is ended; be sure to write "0000" or "1111" bits in the memory to be checked for judging memory error at initial setting and to initialize memory.

When the tuner test mode is obtained, the following display lights for one second.



- The TUNER TEST 2 mode is obtained with >> + MEMORY/SET + POWER ON/STAND-BY. ->Turn off AC in the TEST 2 mode to restore the initial state.

↓

Turn off POWER to protect the memory of TEST 2 mode.

Turn off POWER again to obtain the ordinary operation while the data is stored in the memory (besides TUNER).

↓

If AC OFF state is maintained in this state for about 1/2 day, start is executed in the initial state.

- To clear the whole memory, insert the AC cord, pressing MEMORY/SET + PLAY.

3. Preset frequencies for various destinations

   (random preset memory)

CH	BAND	FM
1		FM 87.5 MHz
2		FM108.0 MHz
3	FM STEREO	FM 98.0 MHz
4		FM 90.0 MHz
5		FM106.0 MHz

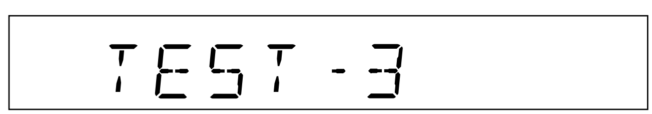
CH	BAND	FM
6		AM 530 kHz
7		AM1720 kHz
8	AM	AM 990 kHz
9		AM 600 kHz
10		AM1400 kHz

CH	BAND	FM
16-35		————
36		FM106.0 MHz
37		FM 90.0 MHz
38	FM MONO	FM 98.0 MHz
39		FM108.0 MHz
40		FM 87.5 MHz

- The slant line sections of the table store no memory.

3. Electronic volume Test Mode (TEST 3)

When this test mode is obtained, the following display lights for one second.



In this mode, volume is Volume -14 dB (STEP 23), FLAT AND X-BASS ON, and start-up function to DVD/CD, respectively. The button operations in the test mode are the same as those of ordinary operation except volume UP/DOWN.

1) The display is the same as that of ordinary operation except test mode setting.
2) Unlike the ordinary state, the volume is controlled with the volume UP/DOWN jog in accordance with the following three steps.

   Volume- ∞ (STEP 0) <-> Volume-14 dB (STEP 23) <-> Volume-0 (STEP 30)
3) X-BASS is switched when button is pressed.

4. Timer test Mode (TEST 4)

When this test mode is obtained, the following display lights for one second.

TEST-4

Set the current time and timer time according to the following procedure to reproduce the timer.

1. Set the current time to 1:00, the timer to ON time 1:05, the function to DVD/CD, and volume to STEP 12, respectively. One minute is counted as one second, and the timer is reproduced. The fade-in (when playback is started) is executed at a rate of one step for 1 sec. After completion of fade-in, the fade-out is executed at a rate of one step for 1 sec (WAIT 1 sec inserted).

   After completion of fade-out, the power is turned off (after WAIT 1 sec), and the mode is shifted to the standby.

   The display during operation is the same as that of ordinary timer operation.

5. FL Test Mode (TEST 5)

When the FL test mode is obtained, all the FL segments are lighted. Then pressing the "PLAY" button switches display as below.

↓
Lighting of all segments
↓
Lighting of odd segments
↓
Lighting of even segments

6. Button input diagnosis Test Mode (TEST 6)

When the test mode is obtained, the following is displayed.

(STAND-BY AND DEMO OFF STATUS)

TEST-6

This test mode is intended to check whether all the main unit buttons can be detected. Accordingly, in this test mode, it is checked whether the "POWER ON/STAND BY" button was pressed after all the buttons shown below were pressed. If the result is OK, OK is displayed. If any one of keys was not pressed, an error is displayed. In both cases of OK termination or error termination, the mode is shifted to the standby mode if the "POWER ON/STAND BY" button is pressed subsequently.

All models using this type of microcomputer are not always provided with the same buttons. Since the buttons used are different depending on models, types of buttons to be used are determined by whether SURROUND, and an electric lid are available at the initial setting by MODEL port.

The order of buttons to be pressed is not determined. Accordingly, it is checked whether all buttons have been pressed.

1. PU-IN buttons: REW/PRESET DOWN + STOP

   Since this model is provided with SURROUND (HAVE OR NOT), and electric DVD/CD lid, the following 10 buttons are detected as all buttons.

   PLAY, X-BASS/DEMO, FUNCTION, VOLUME UP/DOWN, MEMORY/SET, REW, FF, STOP, DVD/CD-OPEN/CLOSE

The OK/ERROR display of test result is as follows.

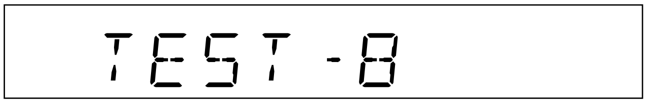
ERROR

OK

7. DVD MECHANISM Aging Test Mode (TEST 8)

OPEN/CLOSE & 5 DISC CHANGER aging test.

DISPLAY:

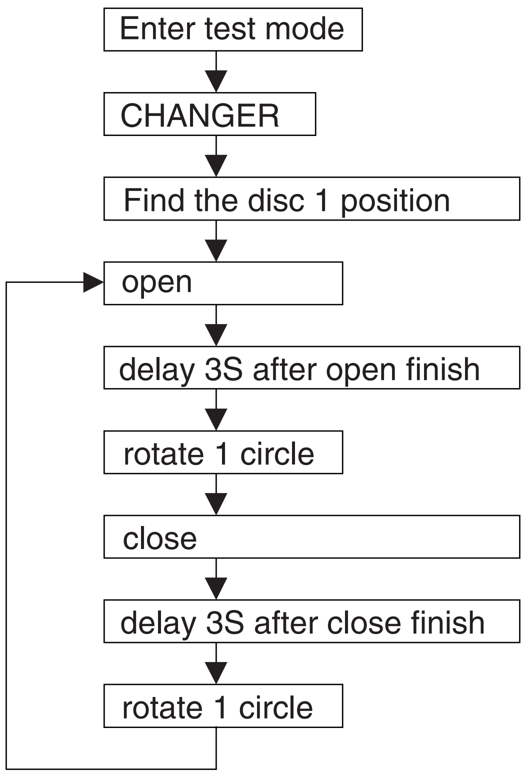


FUNCTION:

Enter the TEST MODE 8, MCU control the 5 DISC CHANGER OPEN/ CLOSE. After open finished, tray rotate 1 circle (360 degree). Then close, After close finished, tray rotate 1 circle (360 degree) again.

Request:

Every period include 4 operation. Below is TIMING:



CHAPTER 3. MECHANICAL DESCRIPTION

[1] REMOVING AND REINSTALLING THE MAIN PARTS

1. How to remove DVD/CD Disc manually (See Fig. 1,2)

Perform steps 1 to 9 of the disassembly method to remove the DVD Changer unit.(see page 3-2,3-3)

1. Rotate the gear cam until the arm switch C becomes the position of the Figure 1.
2. Pull the drawer to the front like the Figure 2.

   And the DVD/CD disc on the carriage is taken out.

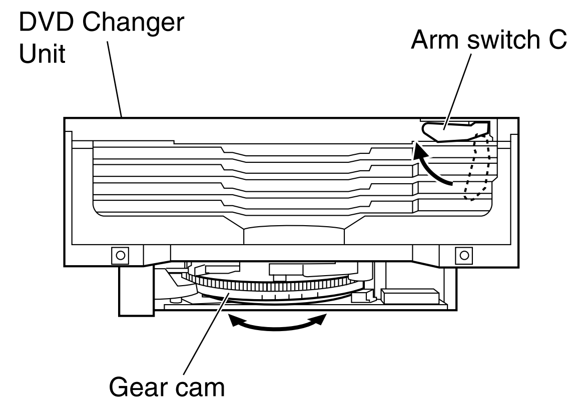


Figure 1

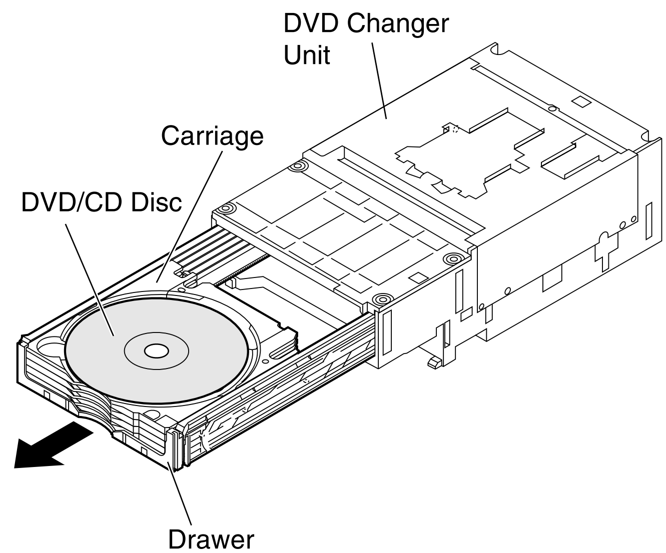


Figure 2

[2] DISASSEMBLY

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1) Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
2) Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
3) Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw.........................(A1) x 5	1
2	Side Panel	1. Screw.........................(B1) x 8	1
3	Rear Panel	1. Screw........................(C1) x 6 2. Socket.......................(C2) x 1	2
4	Tuner PWB	1. Screw........................(D1) x 3 2. Socket.......................(D2) x 3	2
5	Main PWB	1. Screw.........................(E1) x 3 2. Socket.....................(E2) x 10	3
6	Power Amp.PWB	1. Screw.........................(F1) x 4	3
7	Transformer	1. Screw........................(G1) x 4	4
8	Fan Motor	1. Screw........................(H1) x 2	4
9	Front Panel/DVD Tray Cover	1. Screw.........................(J1) x 2 2. Flat cable...................(J2) x 1 3. Socket........................(J3) x 1 4. DVD Tray cover..........(J4) x 1	4 5
10	Chassis	2. Screw........................(K1) x 6	6
11	DVD PWB (Note 1)	1. Flat cable...................(L1) x 1 2. Socket........................(L2) x 1 3. Screw.........................(L3) x 4 4. Screw.........................(L4) x 4	7
12	DVD Changer Unit	1. Screw........................(M1) x 6	7
13	DVD Mechanism	1. Screw........................(N1) x 4	7
14	Display PWB	1. Knob.........................(P1) x 1 2. Screw......................(P2) x 10	8
15	Jack PWB	1. Screw........................(Q1) x 1	8

Note 1:

After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electrostatic damage.

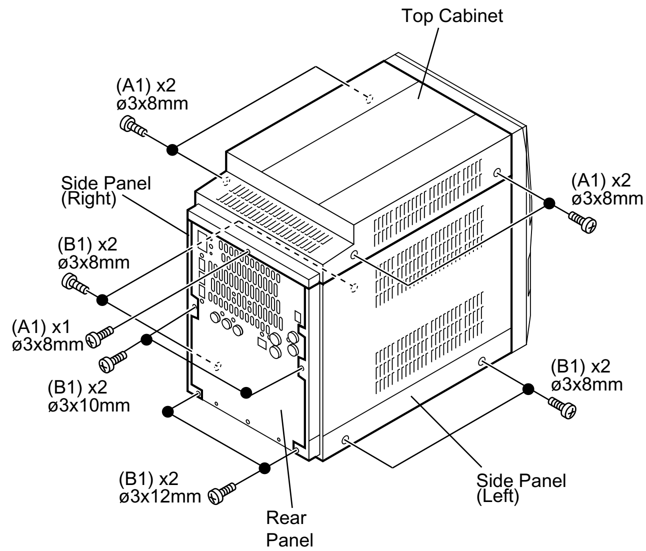


Figure 1

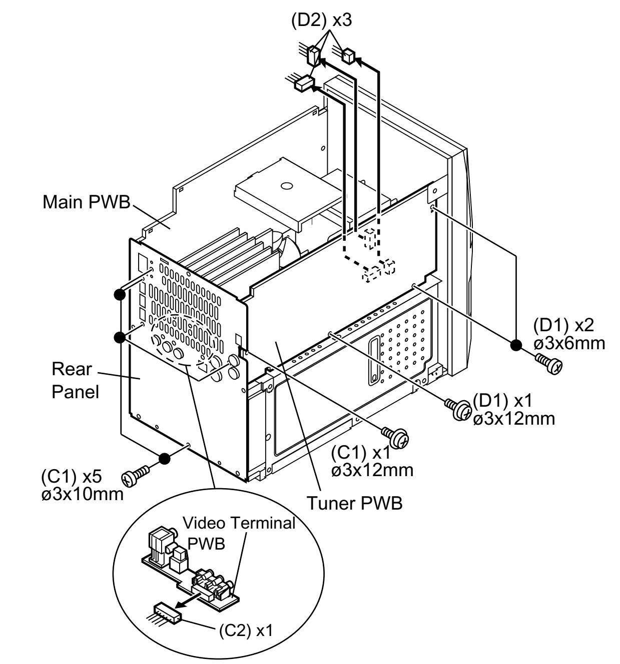


Figure 2

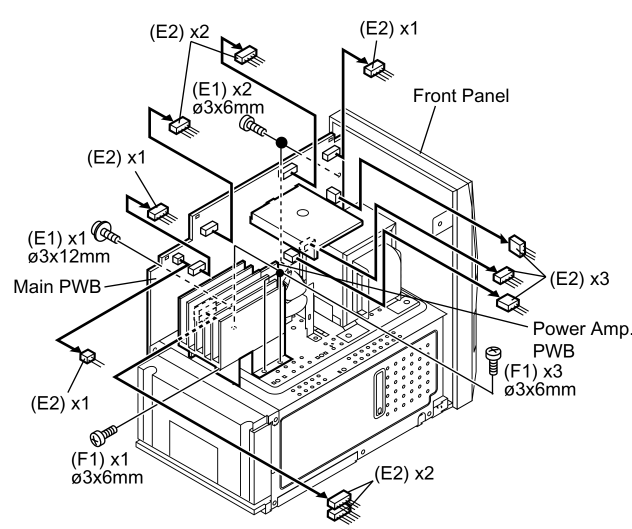


Figure 3

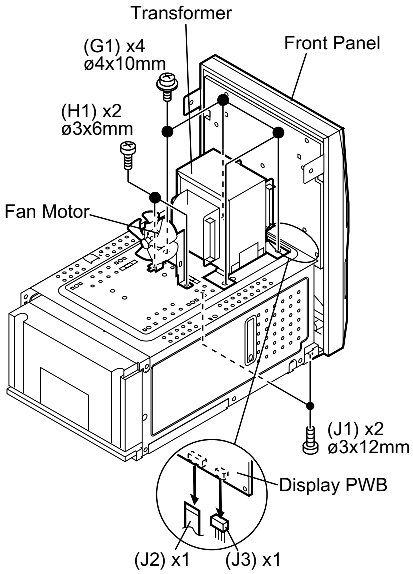


Figure 4

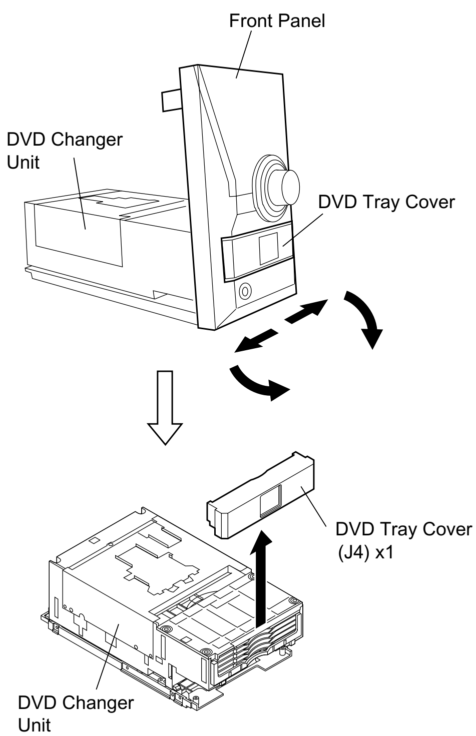


Figure 5

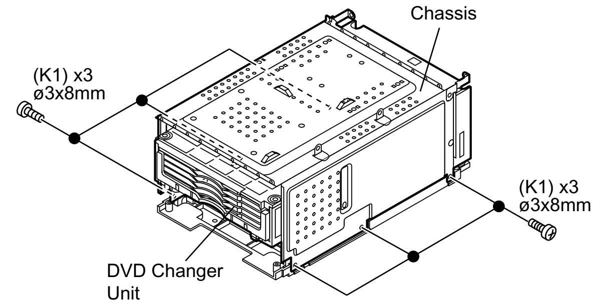


Figure 6

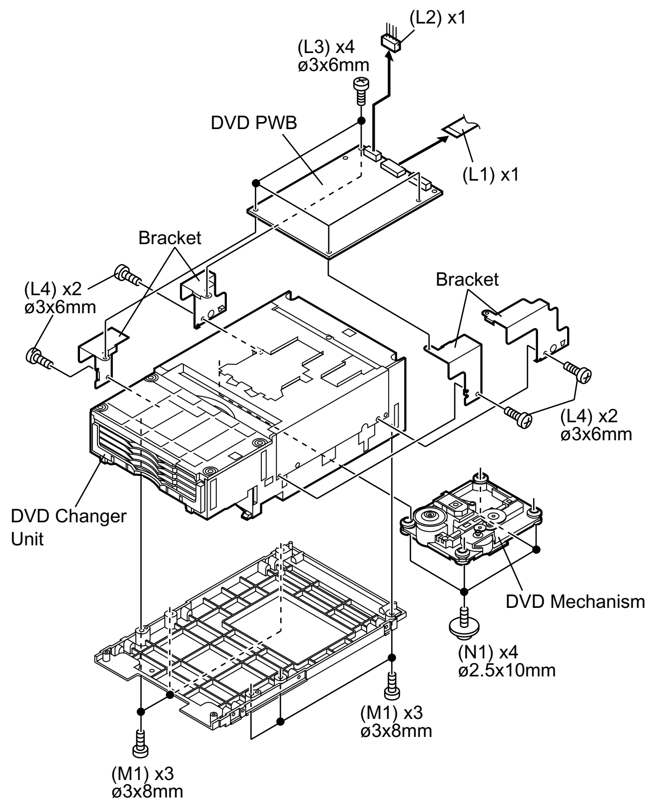


Figure 7

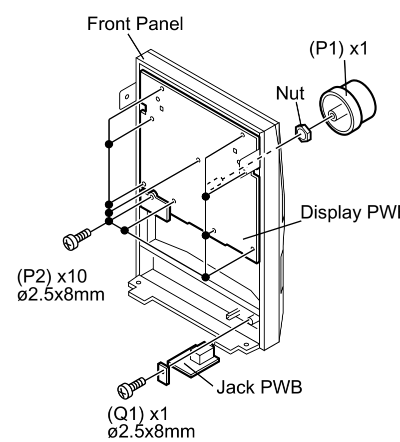


Figure 8

CP-DV60F, CP-DV60SW

These speaker CP-DV60F, CP-DV60SW are available in assembles only and may not be disassembled.

CHAPTER 4. DIAGRAMS

[1] BLOCK DIAGRAM MAIN

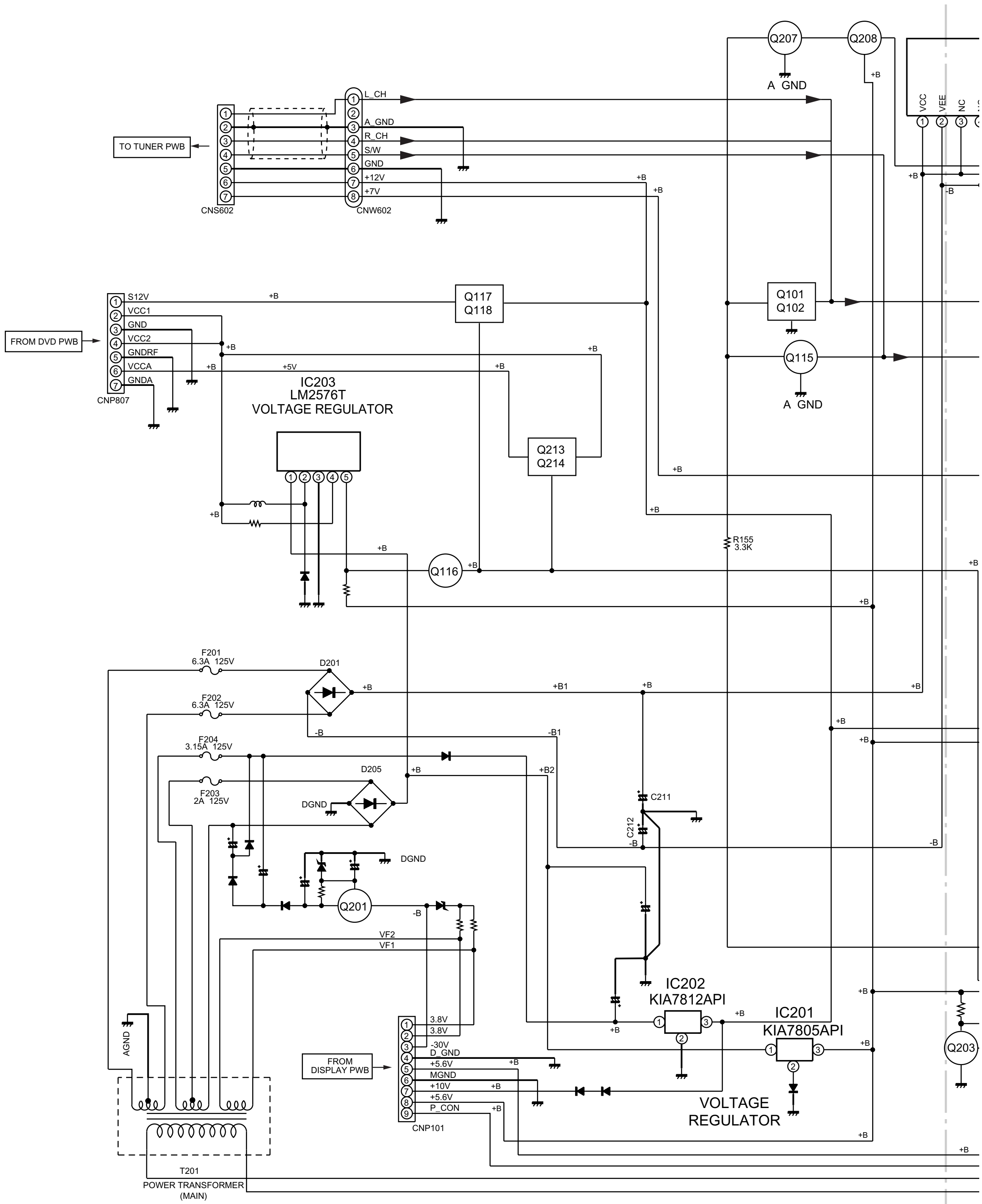


Figure 4-1 BLOCK DIAGRAM (1/6)

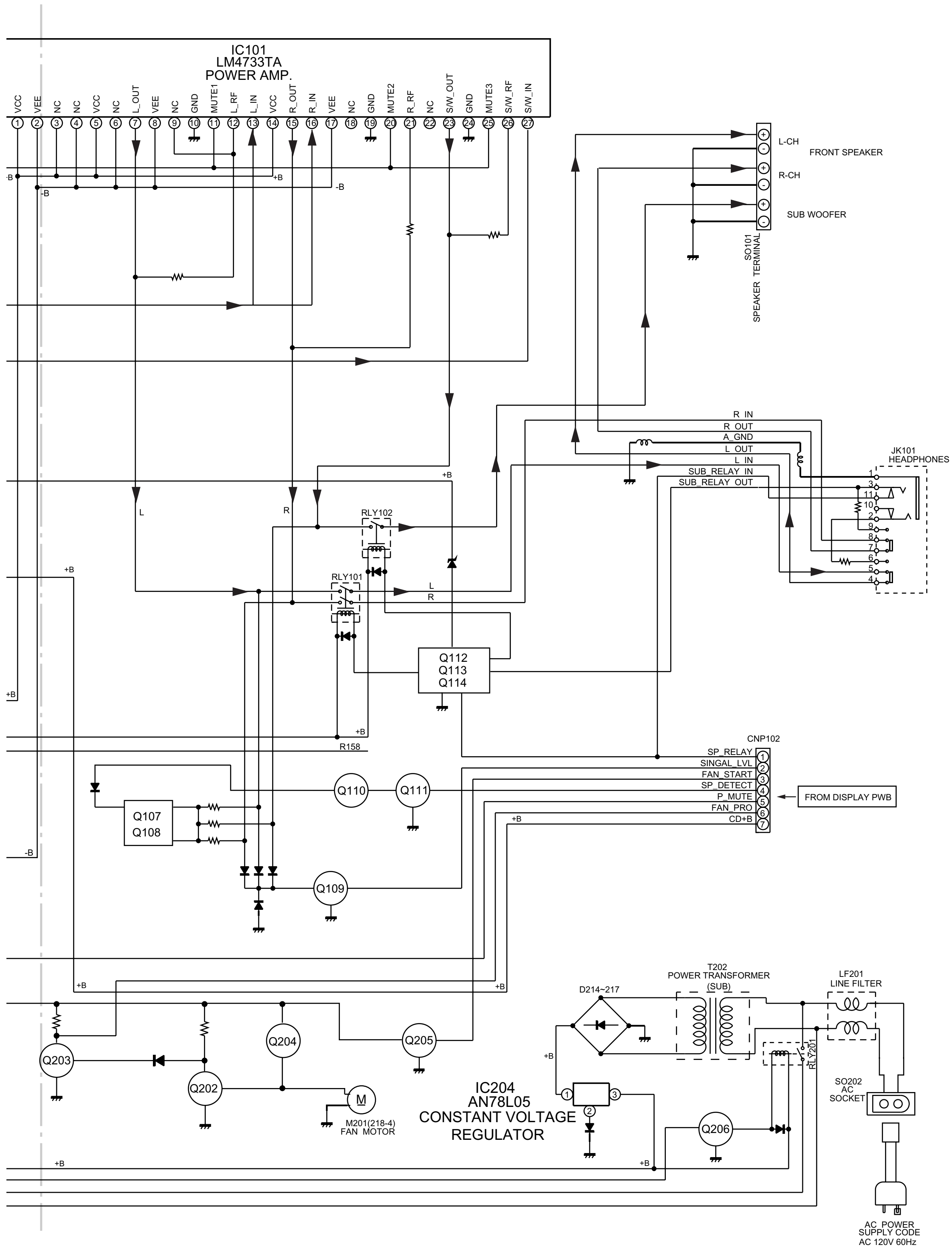


Figure 4-2 BLOCK DIAGRAM (2/6)

[2] BLOCK DIAGRAM TUNER/DISPLAY

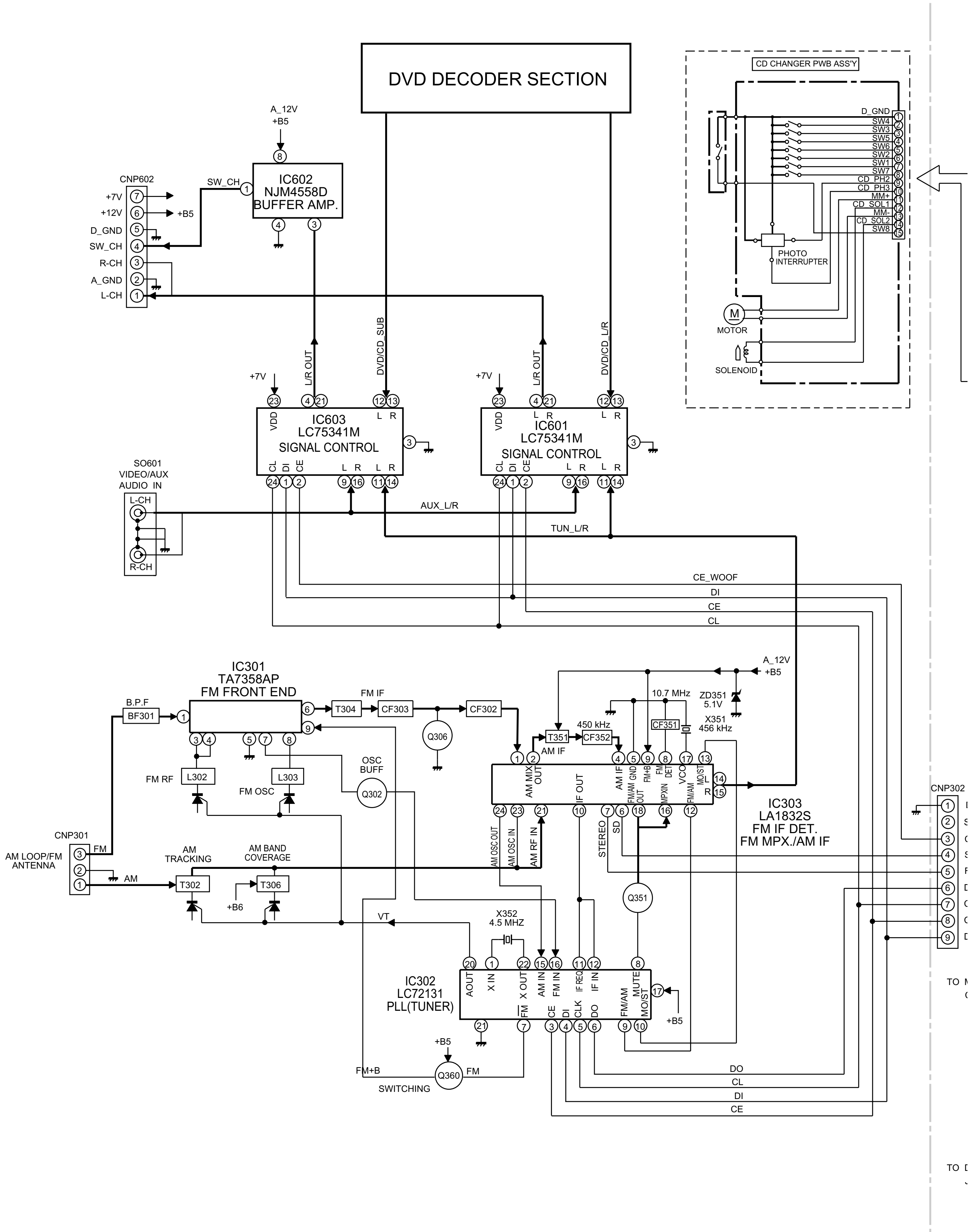


Figure 4-3 BLOCK DIAGRAM (3/6)

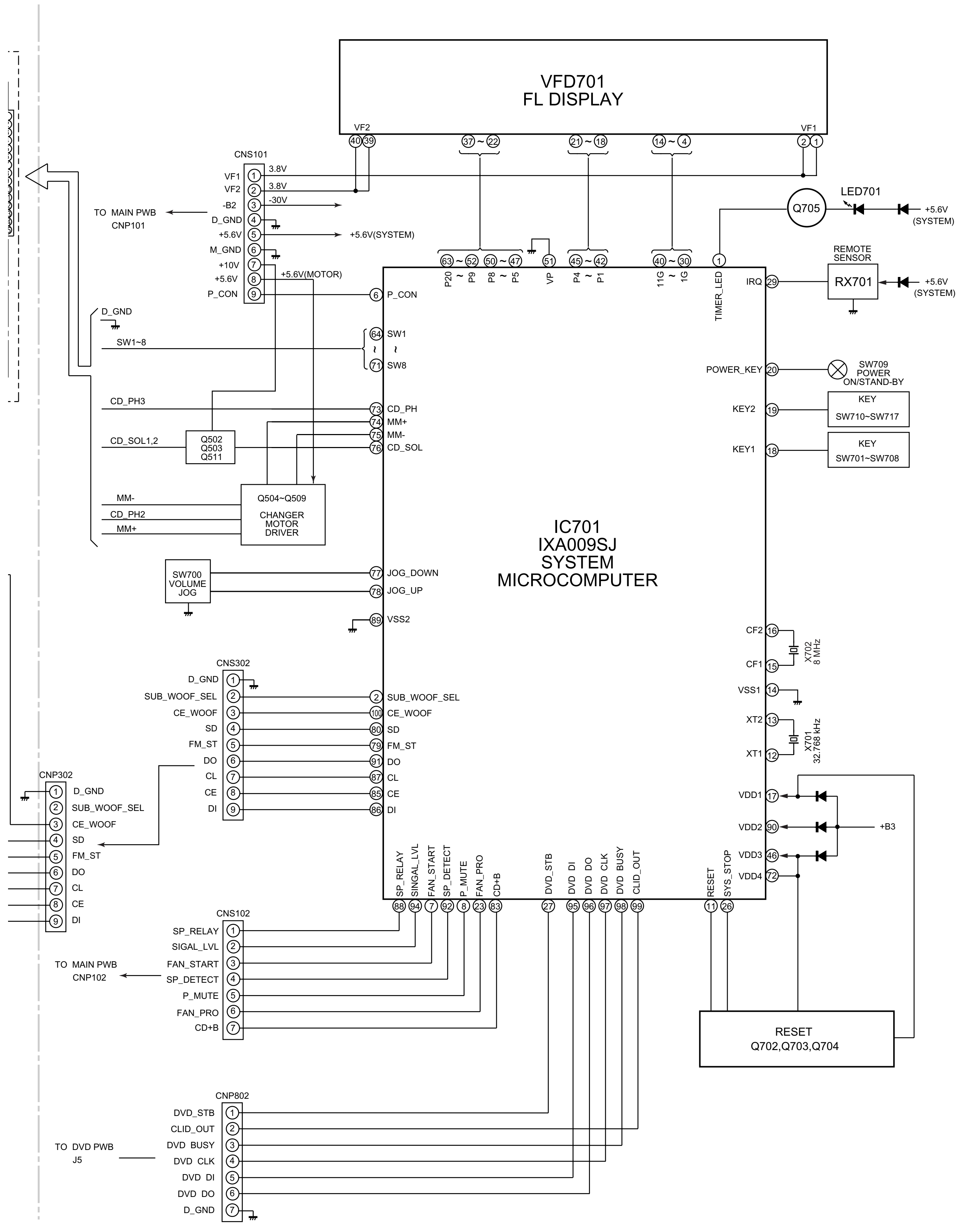


Figure 4-4 BLOCK DIAGRAM (4/6)

[3] BLOCK DIAGRAM DVD

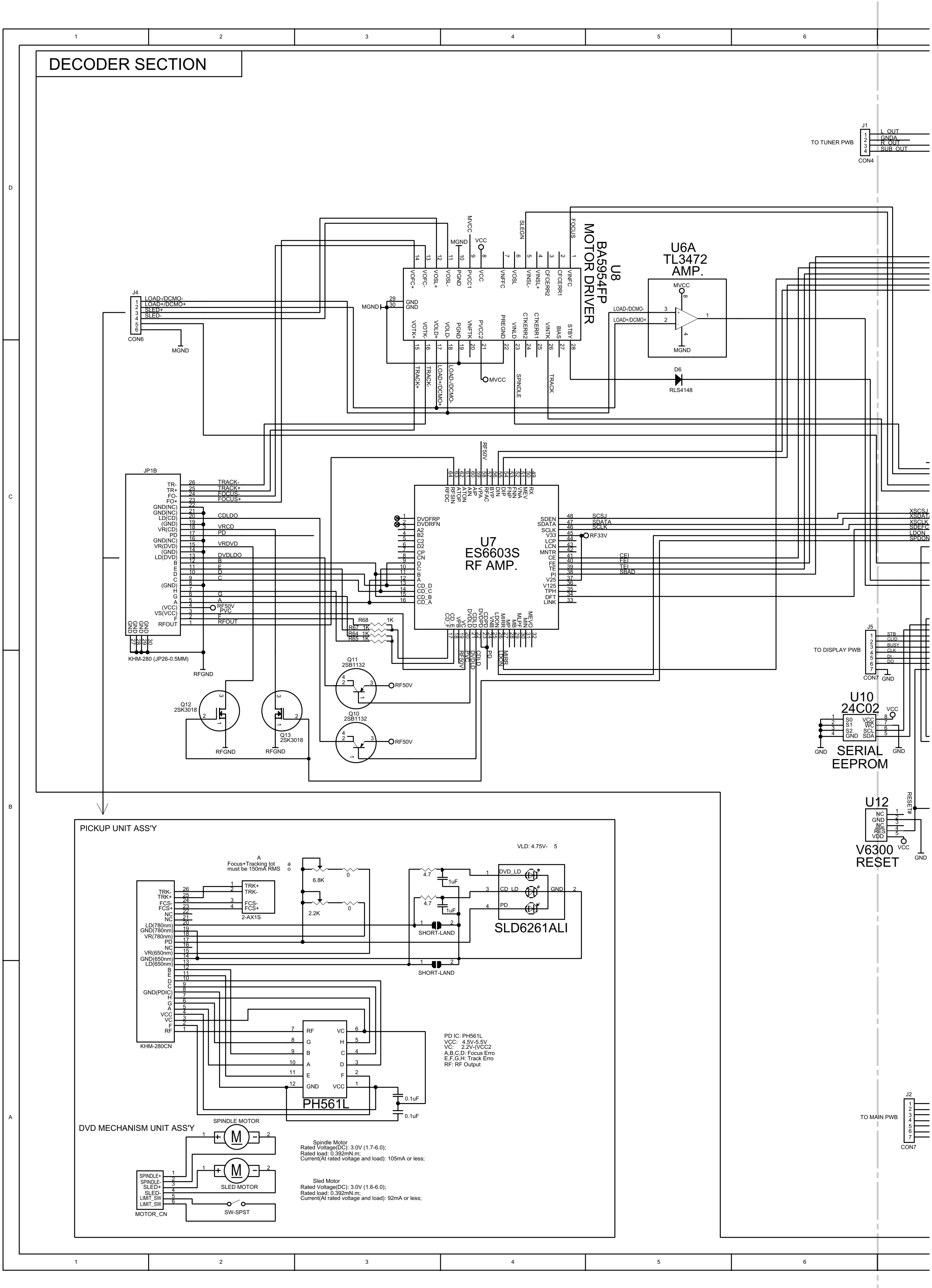


Figure 4-5 BLOCK DIAGRAM (5/6)

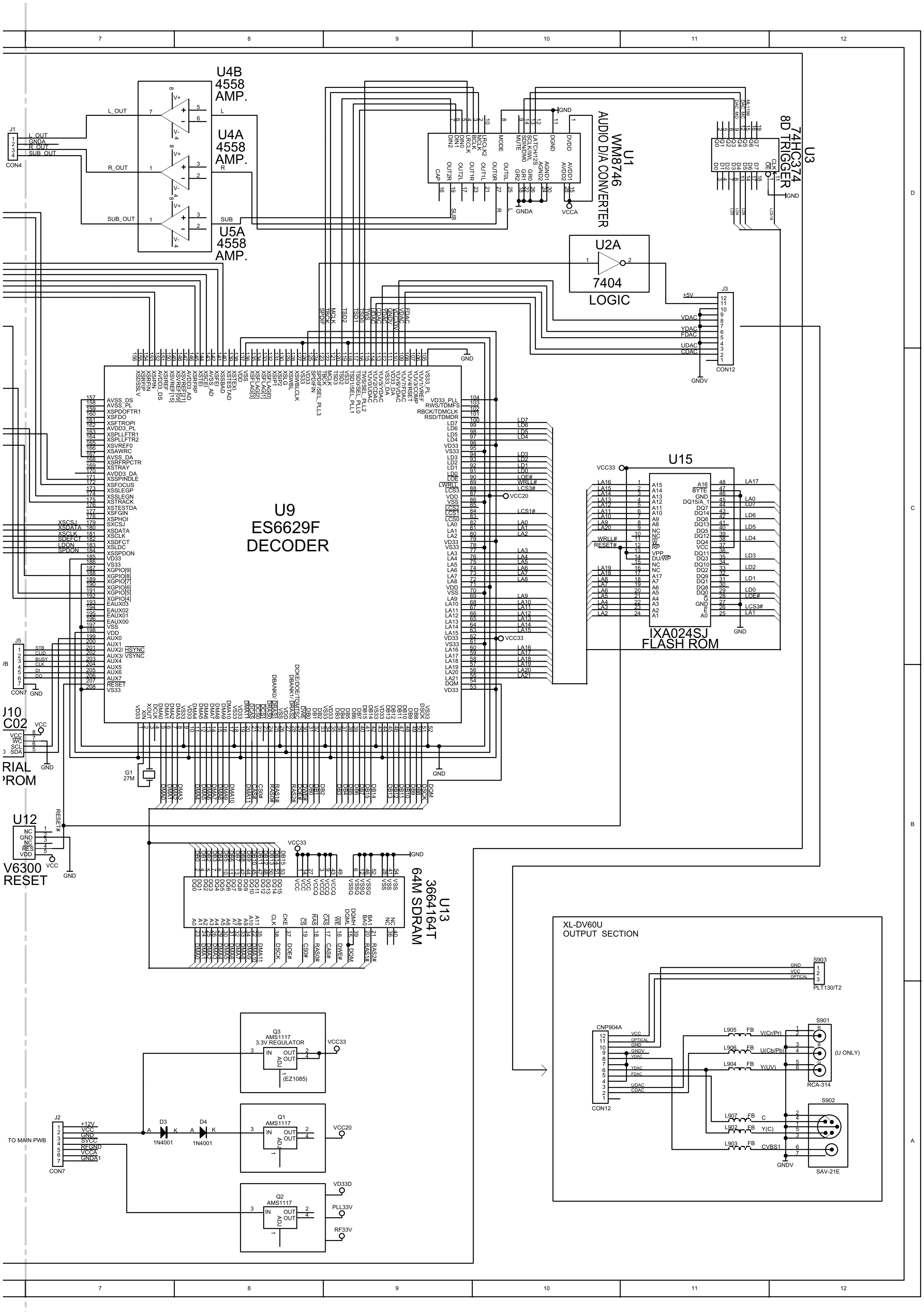


Figure 4-6 BLOCK DIAGRAM (6/6)

CHAPTER 5. CIRCUIT DESCRIPTION

[1] VOLTAGE

IC101

PIN NO.	VOLTAGE
1	30 V
2	-30 V
3	-
4	-
5	30 V
6	-
7	0 V
8	-30 V
9	-
10	0 V
11	-4 V
12	0 V
13	0 V
14	30 V
15	0 V
16	0 V
17	-30 V
18	-
19	-
20	-4 V
21	0 V
22	-
23	0 V
24	0 V
25	-4 V
26	0 V
27	0 V

IC201

PIN NO.	VOLTAGE
1	14 V
2	0.7 V
3	5.6 V

IC202

PIN NO.	VOLTAGE
1	23 V
2	0 V
3	12 V

IC203

PIN NO.	VOLTAGE
1	14 V
2	5 (0) V
3	0 V
4	5 (0) V
5	5 (0) V

IC204

PIN NO.	VOLTAGE
1	9 V
2	0.7 V
3	5.6 V

IC702

PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	0 V
5	5 V
6	5 V
7	0 V
8	5 V

IC601

PIN NO.	VOLTAGE
1	3.5 V
2	3.5 V
3	0 V
4	3.5 V
5	3.5 V
6	3.5 V
7	3.5 V
8	3.5 V
9	3.5 V
10	3.5 V
11	3.5 V
12	3.5 V
13	3.5 V
14	3.5 V
15	3.5 V
16	3.5 V
17	3.5 V
18	3.5 V
19	3.5 V
20	3.5 V
21	3.5 V
22	3.5 V
23	7 V
24	3.5 V

IC602

PIN NO.	VOLTAGE
1	6 V
2	6 V
3	6 V
4	6 V
5	6 V
6	6 V
7	6 V
8	12 V

IC603

PIN NO.	VOLTAGE
1	3.5 V
2	3.5 V
3	0 V
4	3.5 V
5	3.5 V
6	3.5 V
7	3.5 V
8	3.5 V
9	3.5 V
10	3.5 V
11	3.5 V
12	3.5 V
13	3.5 V
14	3.5 V
15	3.5 V
16	3.5 V
17	3.5 V
18	3.5 V
19	3.5 V
20	3.5 V
21	3.5 V
22	3.5 V
23	7 V
24	3.5 V

IC701

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	5(0) V	51	0 V
2	5(0) V	52	-27 V
3	-	53	-27 V
4	-	54	-27 V
5	-	55	-27 V
6	5(0) V	56	-27 V
7	5(0) V	57	-27 V
8	5(0) V	58	-27 V
9	-	59	-27 V
10	-	60	-27 V
11	5 V	61	-27 V
12	0 V	62	-27 V
13	0 V	63	-27 V
14	0 V	64	5(0) V
15	0 V	65	5(0) V
16	0 V	66	5(0) V
17	5 V	67	5(0) V
18	5 V	68	5(0) V
19	5 V	69	5(0) V
20	5 V	70	5(0) V
21	-	71	5(0) V
22	-	72	5 V
23	5 V	73	5(0) V
24	-	74	5(0) V
25	0 V	75	5(0) V
26	5 V	76	5(0) V
27	-	77	5(0) V
28	-	78	5(0) V
29	5 V	79	5(0) V
30	-27 V	80	5(0) V
31	-27 V	81	-
32	-27 V	82	-
33	-27 V	83	5(0) V
34	-27 V	84	-
35	-27 V	85	5 V
36	-27 V	86	5 V
37	-27 V	87	5 V
38	-27 V	88	5(0) V
39	-27 V	89	0 V
40	-27 V	90	5 V
41	-	91	5 V
42	-27 V	92	5 V
43	-27 V	93	-
44	-27 V	94	5 V
45	-27 V	95	5 V
46	5 V	96	5 V
47	-27 V	97	5 V
48	-27 V	98	5 V
49	-27 V	99	5 V
50	-27 V	100	5 V

Q101

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7(0) V

Q102

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7(0) V

Q107

PIN NO.	VOLTAGE
E	0 V
C	5 V
B	0 V

Q108

PIN NO.	VOLTAGE
E	0 V
C	5 V
B	0 V

Q109

PIN NO.	VOLTAGE
E	0 V
C	5 V
B	0 V

Q110

PIN NO.	VOLTAGE
1	5 V
2	5 V
3	0 V

Q111

PIN NO.	VOLTAGE
1	0 V
2	5 V
3	0 V

Q112

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q113

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q114

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q115

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7(0) V

Q116

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	3.5 V

Q117

PIN NO.	VOLTAGE
E	12 V
C	12 V
B	0 V

Q118

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q201

PIN NO.	VOLTAGE
E	-30 V
C	-40 V
B	-30 V

Q202

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q203

PIN NO.	VOLTAGE
E	0 V
C	6 V
B	0 V

Q204

PIN NO.	VOLTAGE
E	5.6 V
C	5.6 V
B	0.7 V

Q205

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q206

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q207

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q208

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0 V

Q213

PIN NO.	VOLTAGE
E	5 V
C	5 V
B	0 V

Q214

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q302

PIN NO.	VOLTAGE
E	0 V
C	5 V
B	0 V

Q306

PIN NO.	VOLTAGE
E	0 V
C	5 V
B	0 V

Q502

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	5 V

Q503

PIN NO.	VOLTAGE
E	10 V
C	9 V
B	9 V

Q504

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q505

PIN NO.	VOLTAGE
E	5 V
C	5 V
B	4 V

Q506

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q507

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q508

PIN NO.	VOLTAGE
E	5 V
C	5 V
B	4 V

Q509

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q511

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q702

PIN NO.	VOLTAGE
1	0.7 V
2	0 V
3	0 V

Q703

PIN NO.	VOLTAGE
E	0 V
C	4 V
B	0 V

Q704

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

Q705

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	0.7 V

U1

PIN NO.	VOLTAGE
1	4.78 V
2	0 V
3	0 V
4	0 V
5	0 V
6	0 V
7	0 V
8	0 V
9	NC
10	NC
11	0 V
12	0 V
13	0 V
14	0 V
15	4.8 V
16	2.4 V
17	2.4 V
18	0 V
19	2.4 V
20	0 V
21	2.4 V
22	0 V
23	2.4 V
24	0 V
25	2.4 V
26	0 V
27	2.4 V
28	4.8 V

U2

PIN NO.	VOLTAGE
1	2.5 V
2	2.5 V
3	2.5 V
4	2.5 V
5	2.5 V
6	2.5 V
7	0 V
8	2.47 V
9	2.47 V
10	2.48 V
11	2.48 V
12	2.48 V
13	2.48 V
14	15 V

U3

PIN NO.	VOLTAGE
1	0 V
2	0 V
3	1.4 V
4	0.12 V
5	4.97 V
6	4.97 V
7	0.23 V
8	0.80 V
9	0 V
10	0 V
11	4.97 V
12	0 V
13	1.2 V
14	1.83 V
15	0 V
16	4.97 V
17	0.28 V
18	0.28 V
19	4.97 V
20	4.97 V

U4

PIN NO.	VOLTAGE
1	5.9 V
2	5.9 V
3	5.87 V
4	0 V
5	5.87 V
6	5.9 V
7	5.9 V
8	11.77 V

U5

PIN NO.	VOLTAGE
1	5.9 V
2	5.9 V
3	5.87 V
4	0 V
5	1.4 V
6	1.47 V
7	11.24 V
8	11.77 V

U6

PIN NO.	VOLTAGE
1	3.6 V
2	1.3 V
3	2.08 V
4	0 V
5	1.84 V
6	1.65 V
7	4.42 V
8	4.98 V

U10

PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	0 V
5	4.8 V
6	4.8 V
7	0 V
8	4.96 V

U12

PIN NO.	VOLTAGE
1	NC
2	0 V
3	NC
4	4.96 V
5	4.96 V

U7

PIN NO.	VOLTAGE
1	NC
2	NC
3	2.46 V
4	2.46 V
5	2.46 V
6	2.46 V
7	3.55 V
8	3.55 V
9	2.56 V
10	2.56 V
11	2.56 V
12	2.57 V
13	2.56 V
14	2.56 V
15	2.56 V
16	2.54 V
17	2.54 V
18	2.54 V
19	4.93 V
20	2.47 V
21	4.9 V
22	3.2 V
23	0.15 V
24	0 V
25	3.29 V
26	0 V
27	2.39 V
28	2.39 V
29	2.1 V
30	2.1 V
31	0 V
32	0 V
33	2.53 V
34	0 V
35	3.56 V
36	1.52 V
37	3.3 V
38	1.9 V
39	1.50 V
40	1.42 V
41	1.58 V
42	1.9 V
43	3.94 V
44	3.98 V
45	3.3 V
46	3.3 V
47	2.2 V
48	0 V
49	1.47 V
50	0 V
51	0 V
52	2.25 V
53	2.37 V
54	3.3 V
55	3.3 V
56	3.2 V
57	2.2 V
58	4.93 V
59	4.1 V
60	4.1 V
61	2.91 V
62	2.94 V
63	3.27 V
64	2.87 V

U8

PIN NO.	VOLTAGE
1	1.43 V
2	2.43V
3	2.33 V
4	1.42 V
5	1.40 V
6	1.41 V
7	2.28 V
8	4.76 V
9	4.78 V
10	0 V
11	2.29 V
12	2.34 V
13	2.27 V
14	2.95 V
15	2.47 V
16	2.48 V
17	1.87 V
18	2.97 V
19	0 V
20	2.36 V
21	4.78 V
22	0 V
23	1.22 V
24	2.57 V
25	2.36 V
26	1.4 V
27	1.4 V
28	3.23 V

U15

PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	0 V
5	0 V
6	0 V
7	0 V
8	0 V
9	0 V
10	NC
11	0 V
12	0 V
13	3.3 V
14	3.3 V
15	NC
16	0 V
17	0 V
18	0 V
19	0 V
20	0 V
21	0 V
22	0 V
23	0 V
24	0 V
25	0 V
26	0 V
27	0 V
28	0 V
29	0 V
30	NC
31	0 V
32	NC
33	0 V
34	NC
35	0 V
36	NC
37	3.3 V
38	0 V
39	NC
40	0 V
41	NC
42	0 V
43	NC
44	0 V
45	0 V
46	0 V
47	0 V
48	0 V

U13

PIN NO.	VOLTAGE
1	3.2 V
2	0 V
3	3.2 V
4	0 V
5	0 V
6	0 V
7	0 V
8	0 V
9	3.2 V
10	0 V
11	0 V
12	0 V
13	0 V
14	3.2 V
15	0.1 V
16	3.1 V
17	3.1 V
18	3 V
19	3 V
20	0.04 V
21	0 V
22	0 V
23	0 V
24	0 V
25	0 V
26	0 V
27	3.2 V
28	0 V
29	0 V
30	0 V
31	0 V
32	0 V
33	0 V
34	0 V
35	0 V
36	NC
37	0 V
38	CLK
39	0 V
40	NC
41	0 V
42	0 V
43	3.2 V
44	0 V
45	0 V
46	0 V
47	0 V
48	0 V
49	3.2 V
50	0 V
51	0 V
52	0 V
53	0 V
54	0 V

U9

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	3.16 V	81	0 V	161	0 V
2	1.7 V	82	0 V	162	3.24 V
3	1.7 V	83	NC	163	0 V
4	1.7 V	84	0 V	164	0 V
5	0 V	85	0 V	165	0 V
6	0 V	86	0 V	166	0 V
7	0 V	87	1.87 V	167	0 V
8	0 V	88	0 V	168	0 V
9	0 V	89	0 V	169	0 V
10	3.16 V	90	0 V	170	3.3 V
11	0 V	91	0 V	171	0 V
12	0 V	92	0 V	172	0 V
13	0 V	93	0 V	173	NC
14	0 V	94	0 V	174	0 V
15	0 V	95	0 V	175	0 V
16	0 V	96	3.16 V	176	0 V
17	0 V	97	0 V	177	NC
18	0 V	98	0 V	178	NC
19	3.16 V	99	0 V	179	0 V
20	0 V	100	0 V	180	0 V
21	0 V	101	3.24 V	181	0 V
22	0 V	102	0 V	182	0 V
23	NC	103	0 V	183	0 V
24	0 V	104	0 V	184	0 V
25	0 V	105	0 V	185	3.16 V
26	0 V	106	0 V	186	0 V
27	1.87 V	107	0 V	187	0 V
28	0 V	108	0 V	188	2.2 V
29	0 V	109	0 V	189	0 V
30	0 V	110	0 V	190	0 V
31	0 V	111	NC	191	4.4 V
32	0 V	112	0 V	192	3.6 V
33	0 V	113	0 V	193	0 V
34	0 V	114	0 V	194	0 V
35	3.16 V	115	0 V	195	0 V
36	0 V	116	3.76V	196	0 V
37	0 V	117	0 V	197	0 V
38	0 V	118	NC	198	1.87 V
39	0 V	119	NC	199	0 V
40	0 V	120	NC	200	0 V
41	0 V	121	0 V	201	0 V
42	0 V	122	0 V	202	0 V
43	0 V	123	NC	203	0 V
44	3.16 V	124	NC	204	0 V
45	0 V	125	NC	205	0 V
46	0 V	126	NC	206	0 V
47	0 V	127	0 V	207	5 V
48	0 V	128	1.87 V	208	0 V
49	0 V	129	0 V		
50	0 V	130	0 V		
51	0 V	131	0 V		
52	0 V	132	0 V		
53	3.16 V	133	0 V		
54	0 V	134	0 V		
55	0 V	135	0 V		
56	0 V	136	0 V		
57	0 V	137	3.3 V		
58	0 V	138	0 V		
59	0 V	139	0 V		
60	0 V	140	0 V		
61	0 V	141	0 V		
62	3.16 V	142	3.3 V		
63	0 V	143	1.5 V		
64	0 V	144	0 V		
65	0 V	145	0 V		
66	0 V	146	1.5 V		
67	0 V	147	0 V		
68	0 V	148	0 V		
69	0 V	149	1.5 V		
70	0 V	150	1.5 V		
71	1.87 V	151	1.5 V		
72	0 V	152	0 V		
73	0 V	153	NC		
74	0 V	154	1.75 V		
75	0 V	155	1.5 V		
76	0 V	156	1.66 V		
77	0 V	157	0 V		
78	0 V	158	0 V		
79	3.16 V	159	0 V		
80	0 V	160	0 V		

Q1

PIN NO.	VOLTAGE
1	0.8 V
2	2.0 V
3	3.3 V
4	2.0 V

Q2

PIN NO.	VOLTAGE
1	2.0 V
2	3.2 V
3	4.86 V
4	3.2 V

Q3

PIN NO.	VOLTAGE
1	2.14 V
2	3.38 V
3	5.46 V
4	3.38 V

Q5

PIN NO.	VOLTAGE
E	1.5 V
C	0 V
B	0.86 V

Q10

PIN NO.	VOLTAGE
E	4.32 V
C	2.24 V
B	3.6 V

Q11

PIN NO.	VOLTAGE
E	5.0 V
C	0.01 V
B	5.0 V

Q12

PIN NO.	VOLTAGE
E	0 V
C	0.22 V
B	0.15 V

Q13

PIN NO.	VOLTAGE
E	0 V
C	0 V
B	4.6 V

Q14

PIN NO.	VOLTAGE
E	0 V
C	0.15 V
B	0.68 V

Q15

PIN NO.	VOLTAGE
E	0 V
C	4.6 V
B	0 V

Q16

PIN NO.	VOLTAGE
E	5 V
C	0.8 V
B	0 V

Q17

PIN NO.	VOLTAGE
E	5 V
C	0.5 V
B	0 V

Q18

PIN NO.	VOLTAGE
E	5 V
C	1.46 V
B	0 V

Q19

PIN NO.	VOLTAGE
E	5 V
C	0.9 V
B	0 V

Q20

PIN NO.	VOLTAGE
E	5 V
C	0.9 V
B	0 V

Q21

PIN NO.	VOLTAGE
E	3.31 V
C	5.0 V
B	3.94 V

CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

[1] NOTES ON SCHEMATIC DIAGRAM

- Resistor:

  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:

  To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.

  (CH), (TH), (RH), (UJ): Temperature compensation

  (ML): Mylar type

  (P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.

- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.

1. In the tuner section,

   ( ) indicates AM

   < > indicates FM stereo
2. In the main section, a tape is being played back.
3. In the deck section, a tape is being played back.

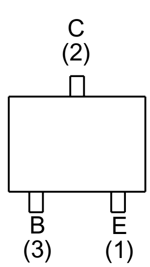
   ( ) indicates the record state.
4. In the power section, a tape is being played back.
5. In the CD section, the CD is stopped.

- Parts marked with “ ⚠ ” (⊏ — — — ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

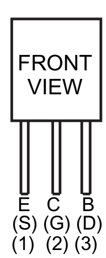
REF. NO	DESCRIPTION	POSITION
SW700	VOLUME	ON—OFF
SW701	EQUALIZER	ON—OFF
SW702	TUNING DOWN/STOP	ON—OFF
SW703	TUNING UP/PLAY	ON—OFF
SW704	PRESET UP	ON—OFF
SW705	PRESET DOWN	ON—OFF
SW706	DISC1	ON—OFF
SW707	DISC2	ON—OFF
SW708	MEMORY/SET	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW709	POWER ON/STAND-BY	ON—OFF
SW710	X-BASS/DEMO	ON—OFF
SW711	DVD/CD	ON—OFF
SW712	TUNER(BAND)	ON—OFF
SW713	VIDEO/AUX	ON—OFF
SW714	DISC3	ON—OFF
SW715	DISC4	ON—OFF
SW716	DISC5	ON—OFF
SW717	OPEN/CLOSE	ON—OFF

[2] TYPES OF TRANSISTOR AND LED

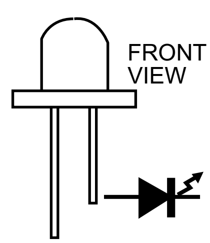


2SC3052F+
2SA1235F+
2SC8050
2N3904
2N2907
2SB1132
2SK3018
BAT54S

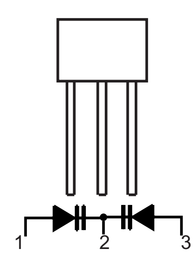


2HC1815 GR
KRA107 M
KRC107 M
2HA1015 GR
2SC535 C
KTC3200 GR
2SB562 C
KTC3203 Y

KTA1271 Y
KTC102 M
KTC3203 Y
KRC104 M



LP3052A+



SVC348S
KDV147B

[3] SCHEMATIC DIAGRAM VIDEO TERMINAL

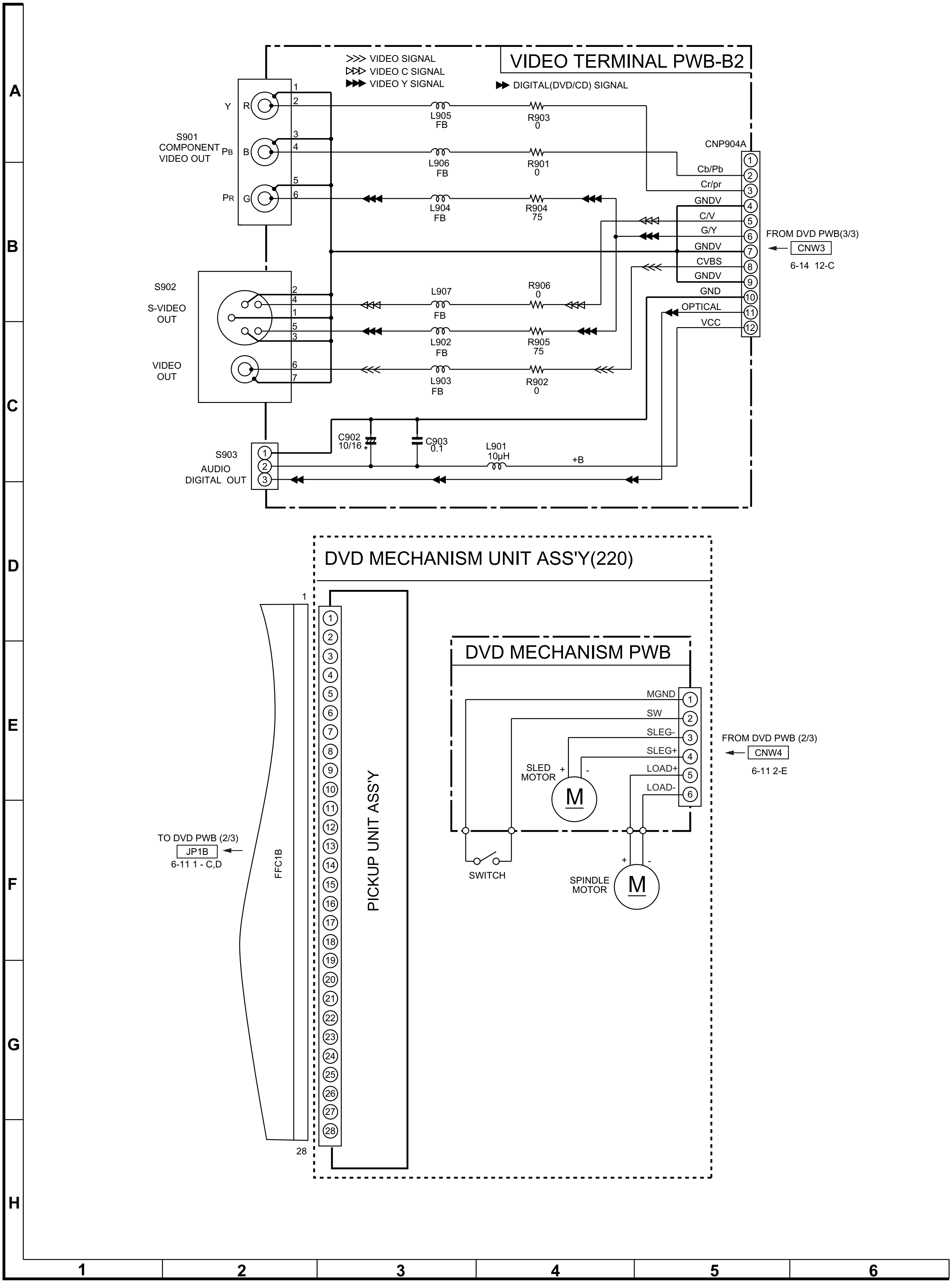


Figure 6-2 SCHEMATIC DIAGRAM (1/13)

[4] SCHEMATIC DIAGRAM MAIN/POWER AMP.

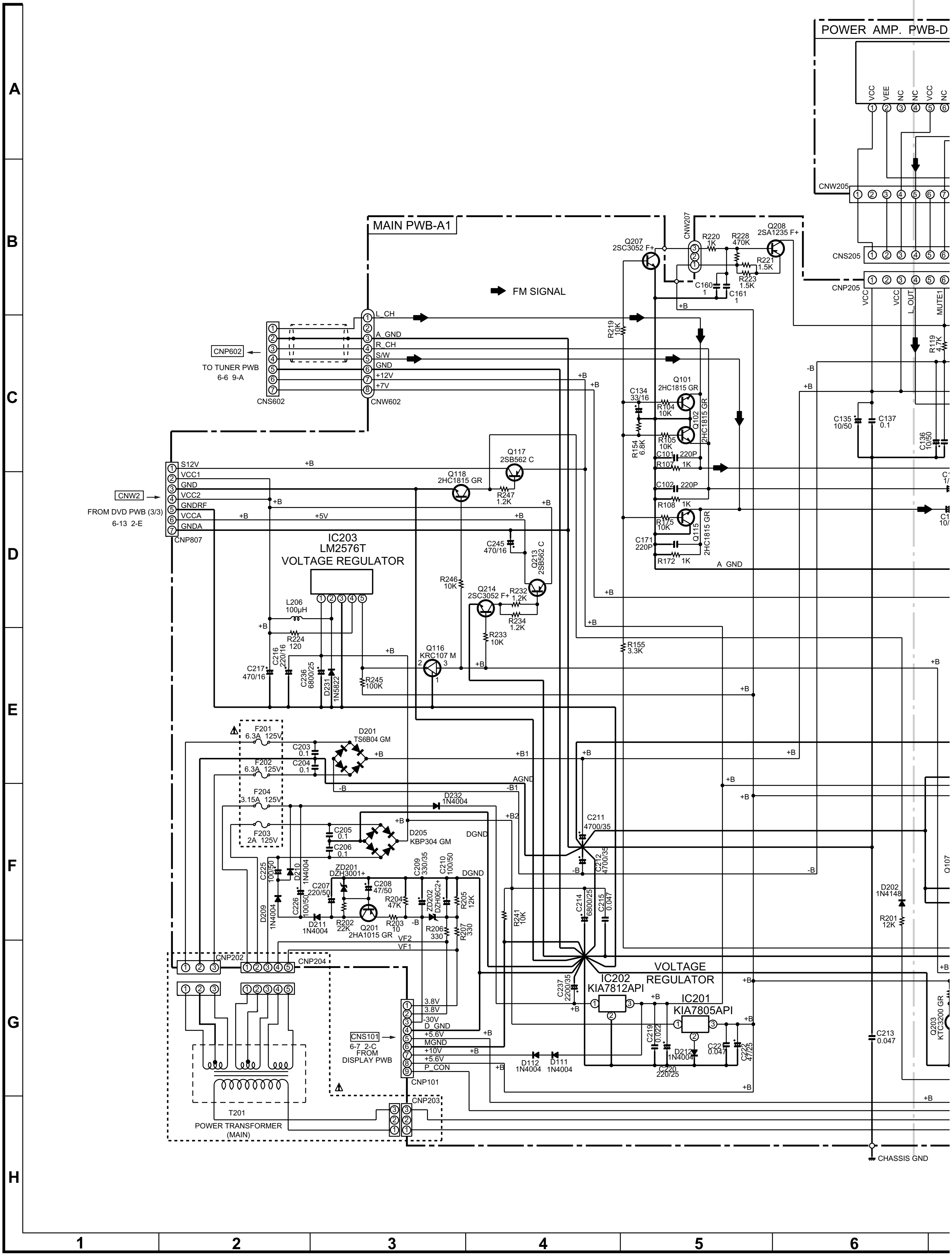


Figure 6-3 SCHEMATIC DIAGRAM (2/13)

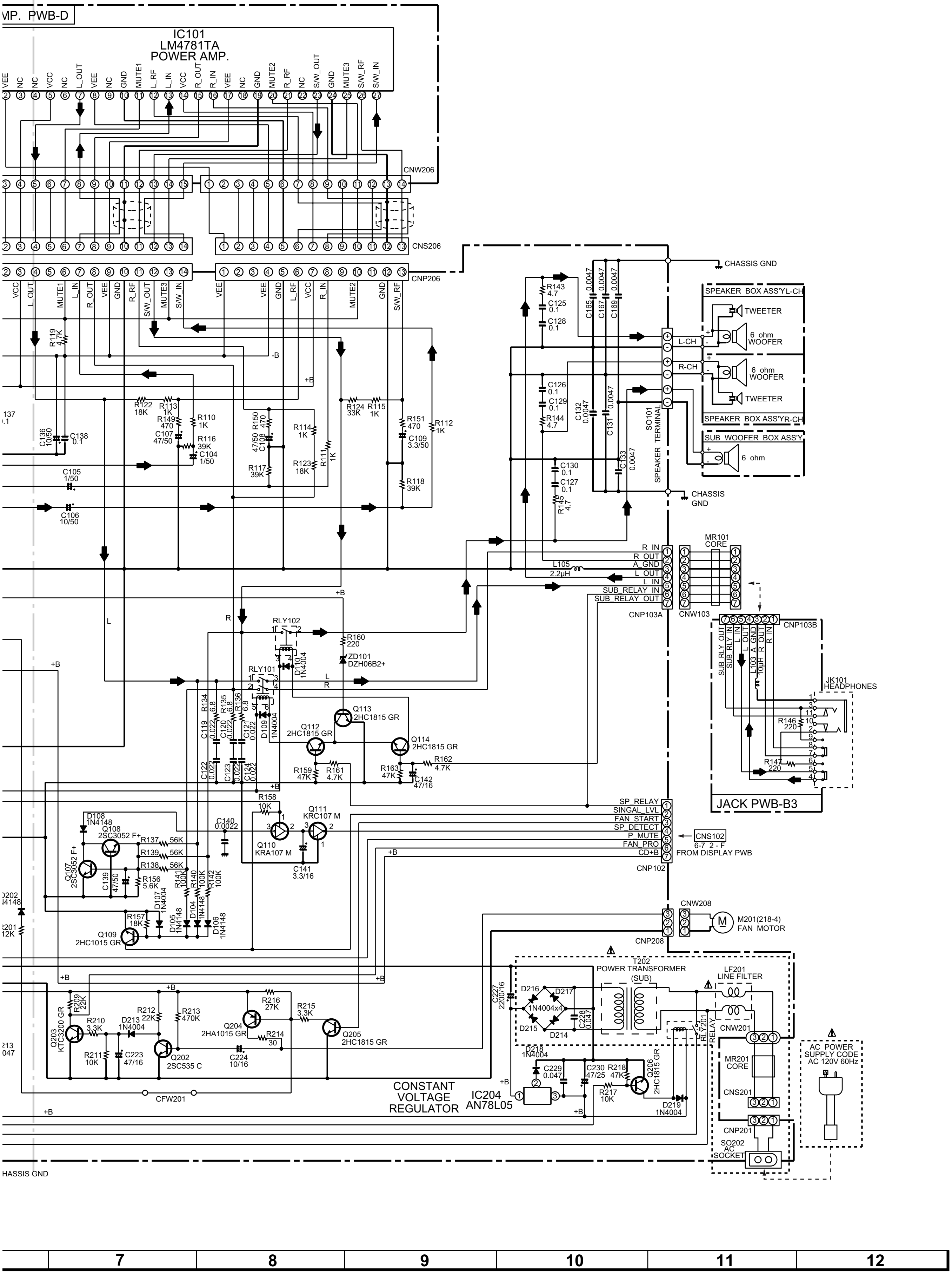


Figure 6-4 SCHEMATIC DIAGRAM (3/13)

[5] SCHEMATIC DIAGRAM TUNER

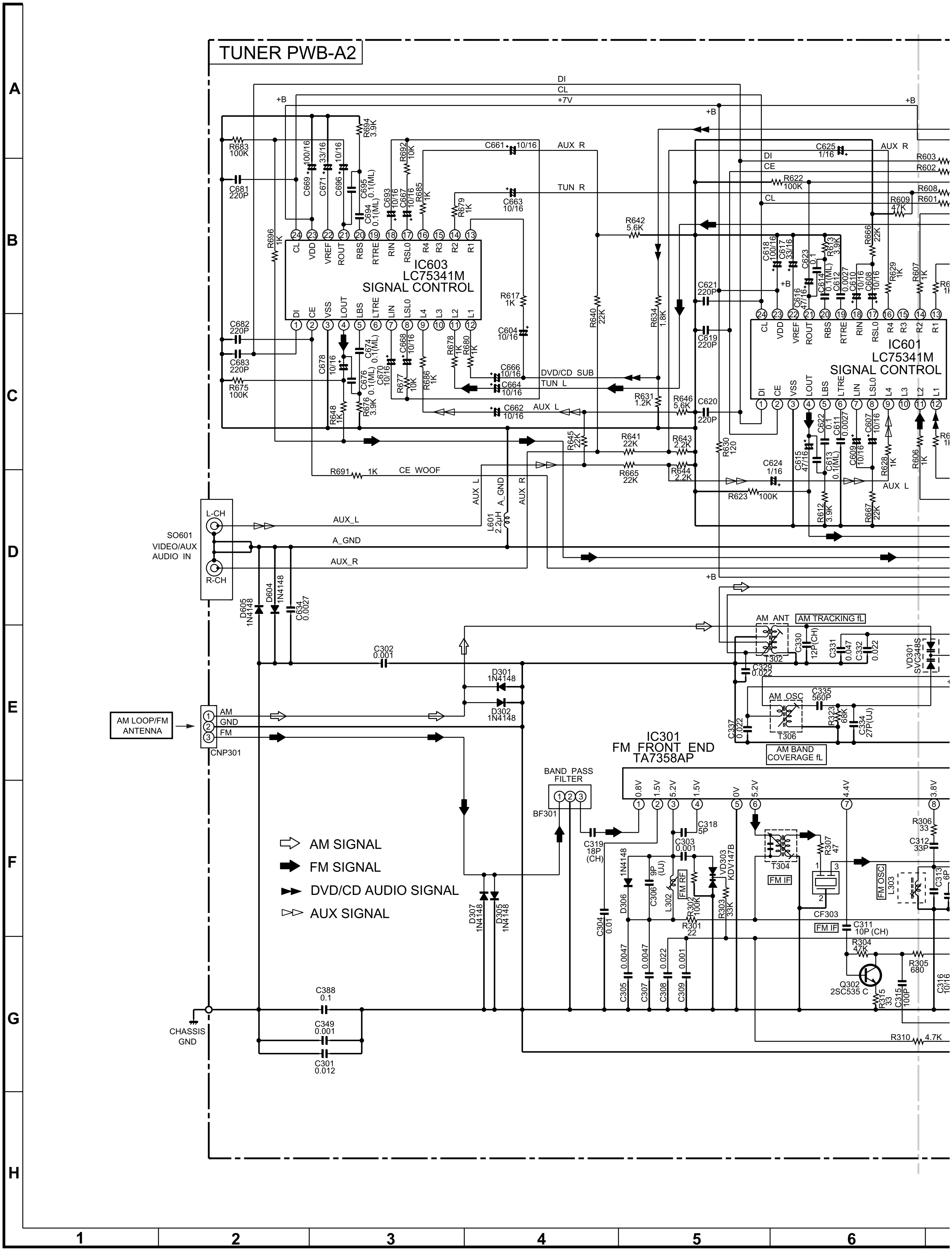


Figure 6-5 SCHEMATIC DIAGRAM (4/13)

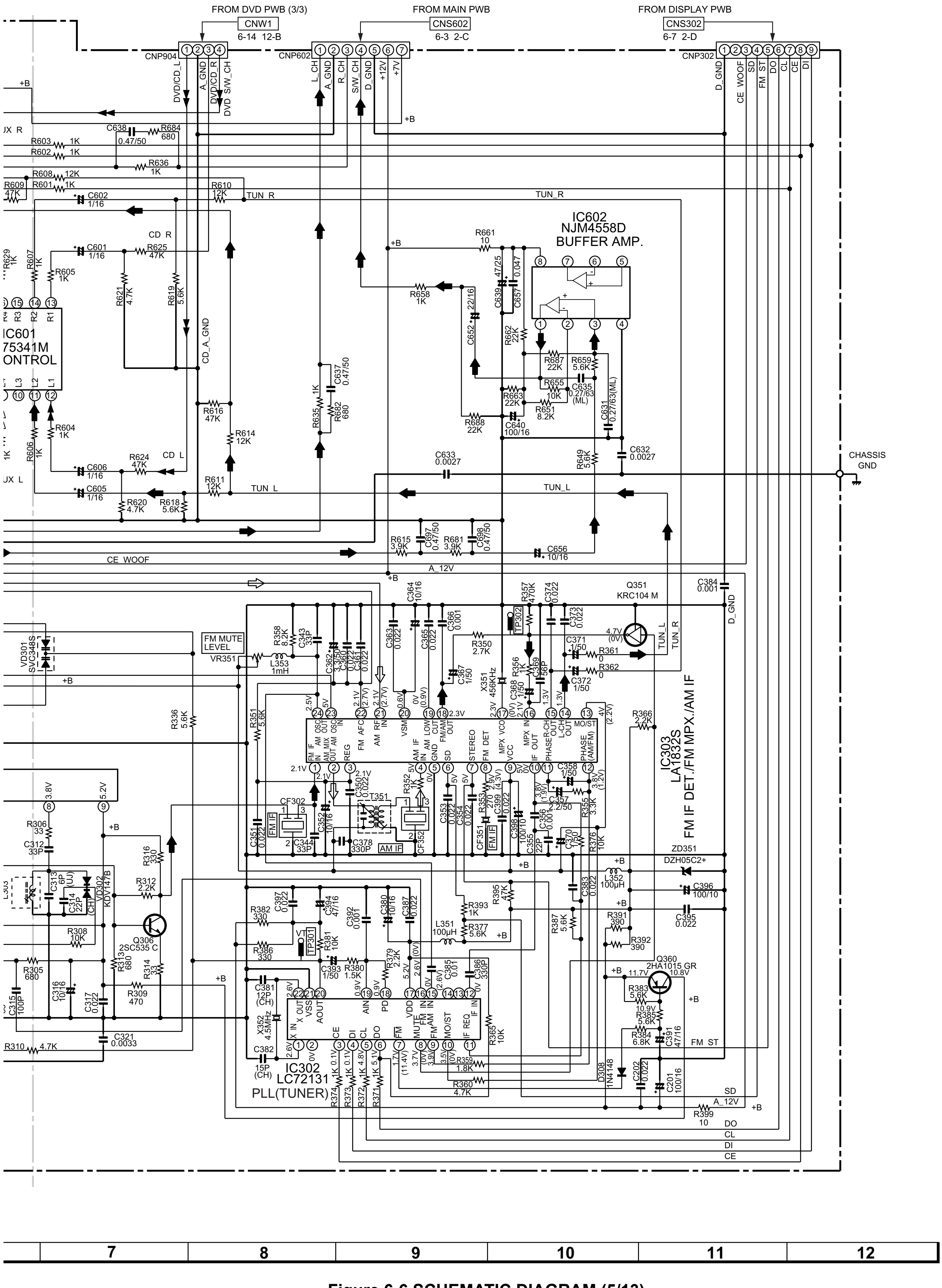


Figure 6-6 SCHEMATIC DIAGRAM (5/13)

[6] SCHEMATIC DIAGRAM DISPLAY

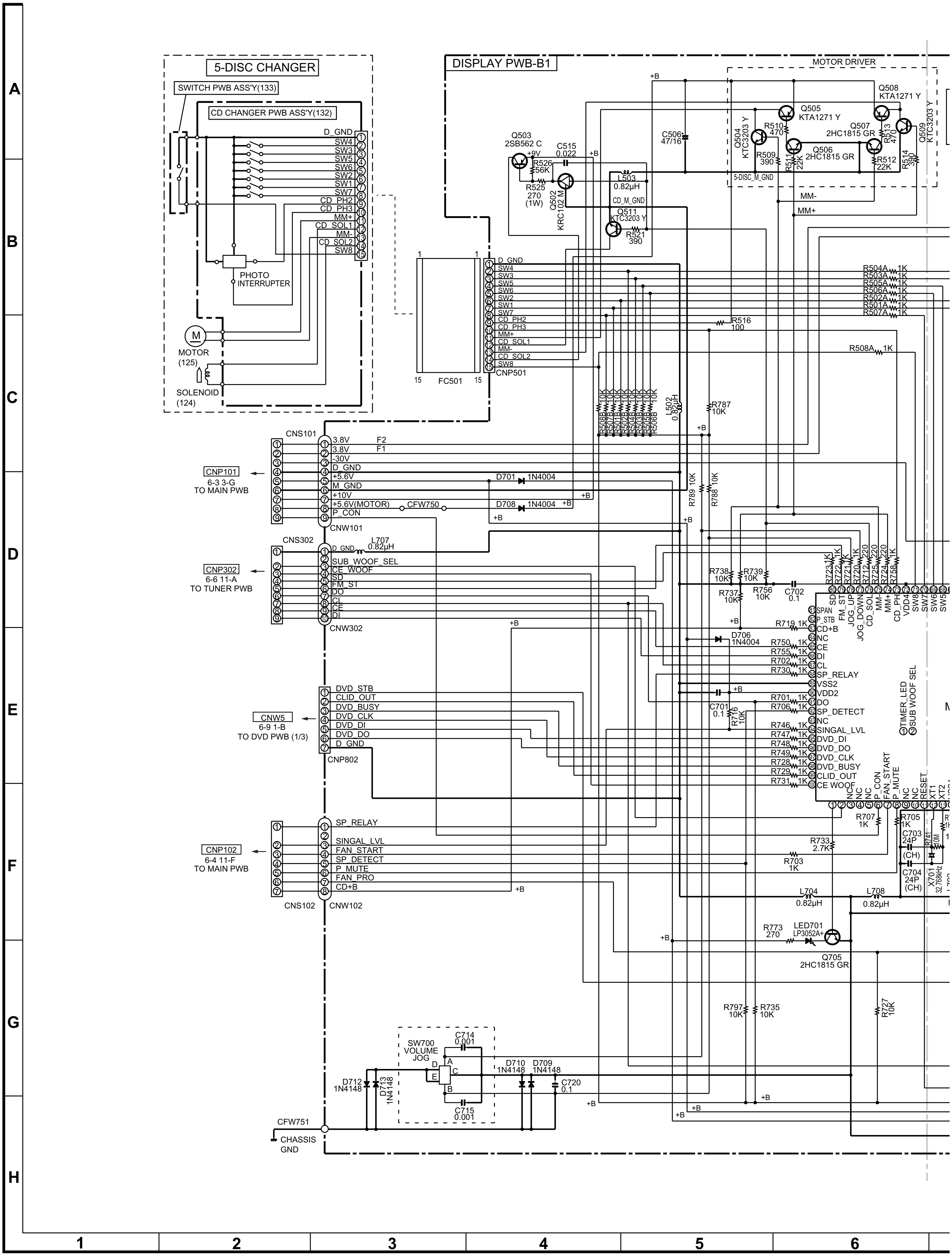
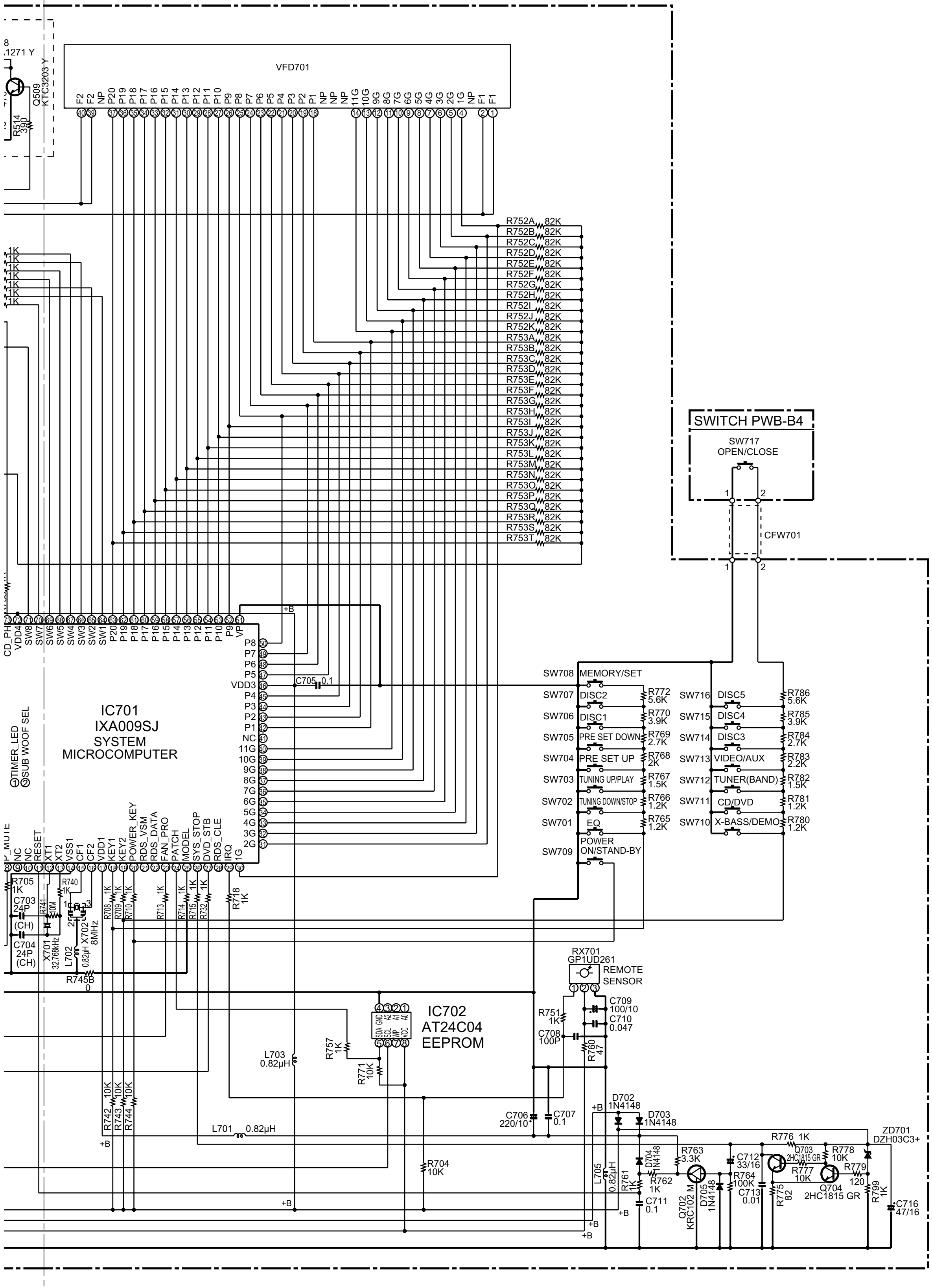


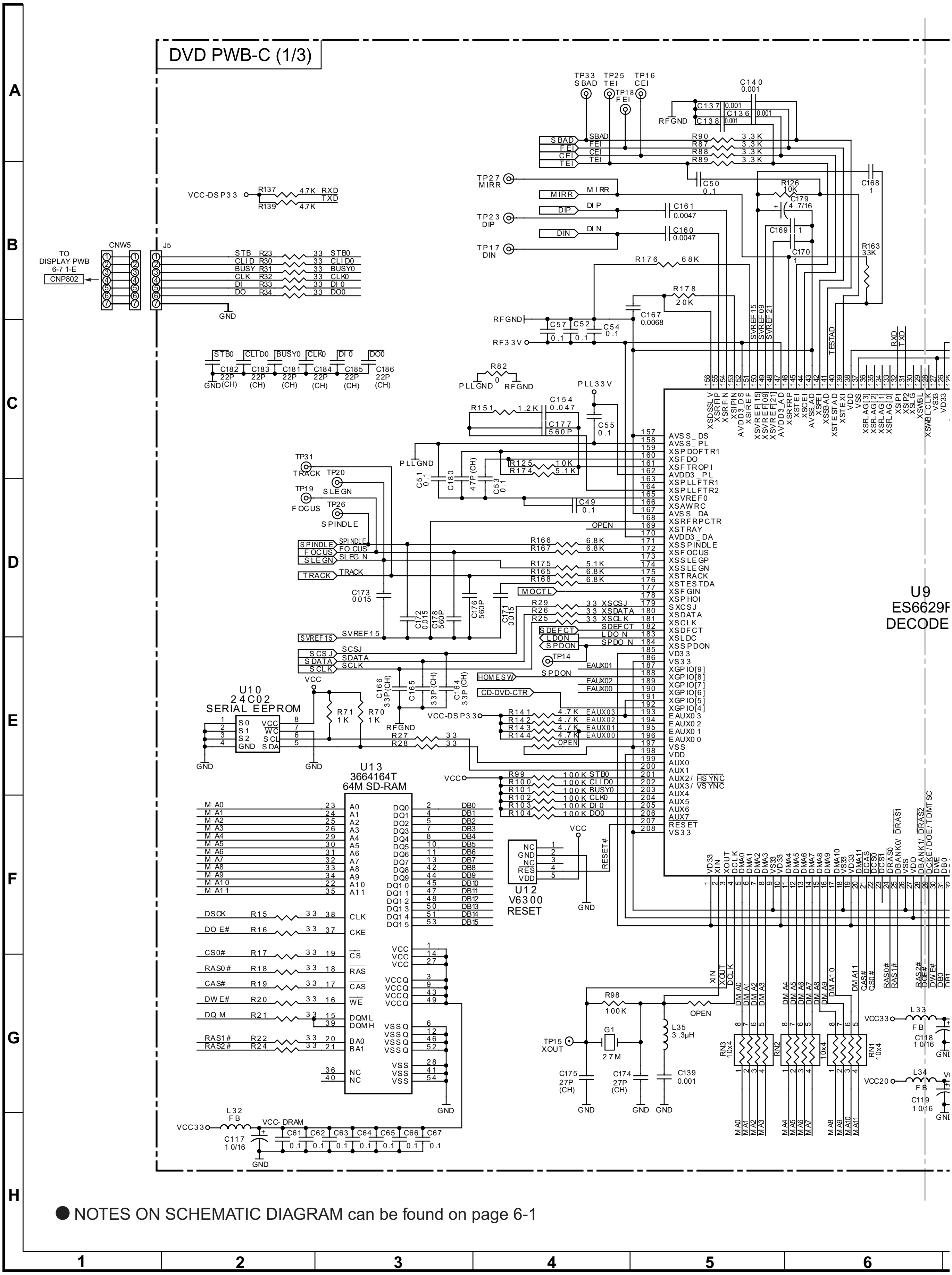
Figure 6-7 SCHEMATIC DIAGRAM (6/13)



	7	8	9	10	11	12

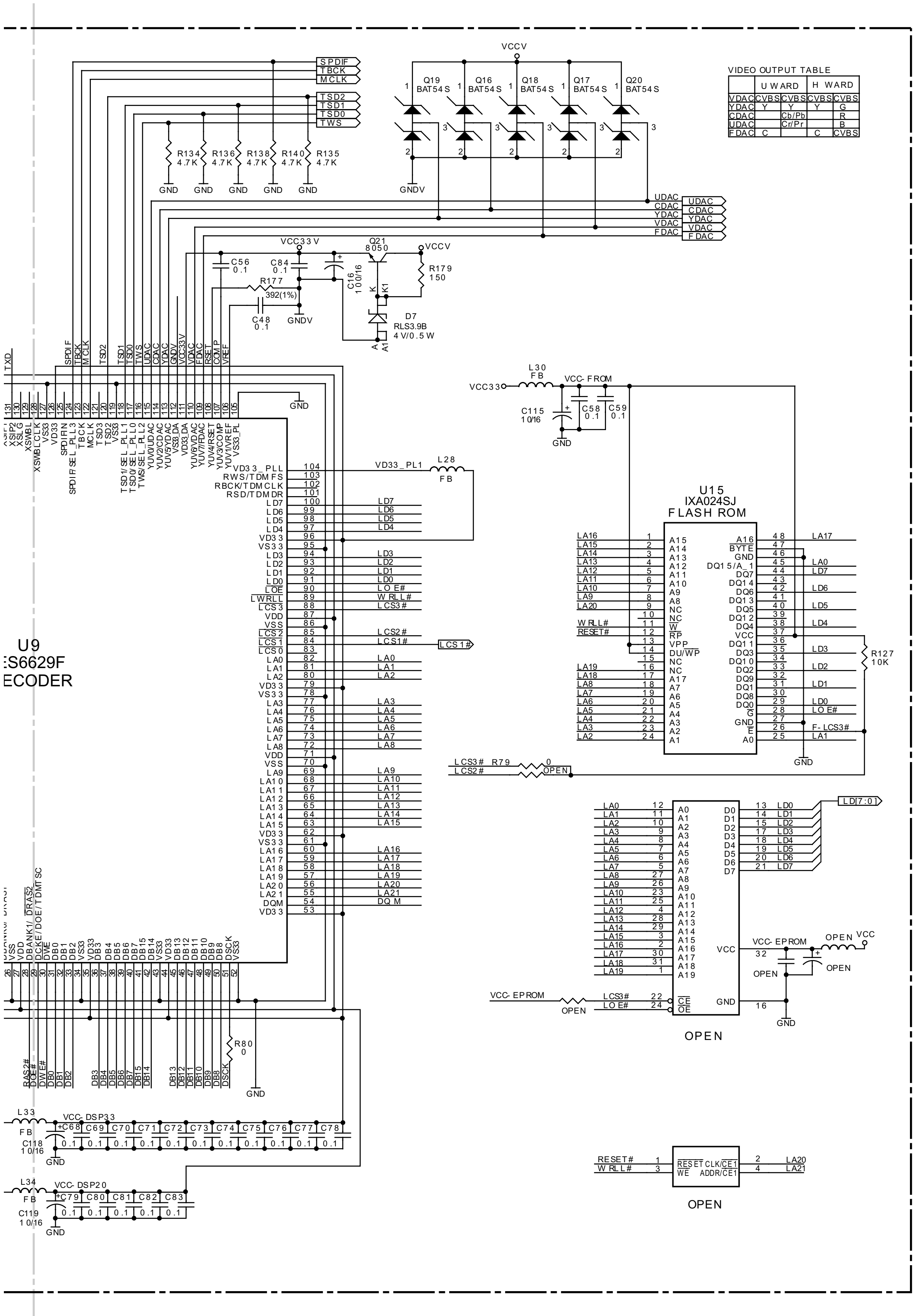
Figure 6-8 SCHEMATIC DIAGRAM (7/13)

[7] SCHEMATIC DIAGRAM DVD1/3



● NOTES ON SCHEMATIC DIAGRAM can be found on page 6-1

Figure 6-9 SCHEMATIC DIAGRAM (8/13)



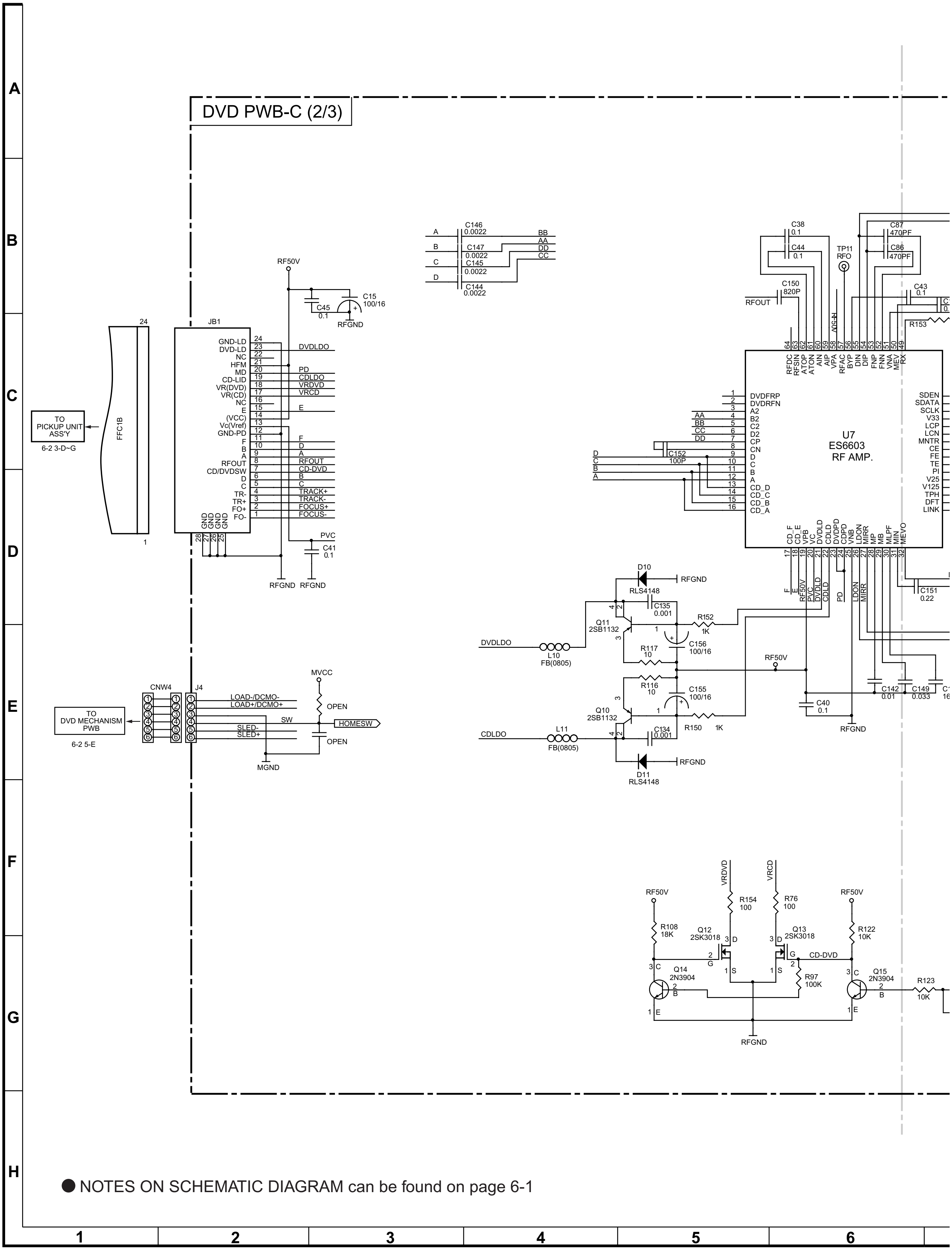
VIDEO OUTPUT TABLE

	U WARD		H WARD	
VDAC	CVBS	CVBS	CVBS	CVBS
YDAC	Y	Y	Y	G
CDAC		Cb/Pb		R
UDAC		Cr/Pr		B
FDAC	C		C	CVBS

	7	8	9	10	11	12

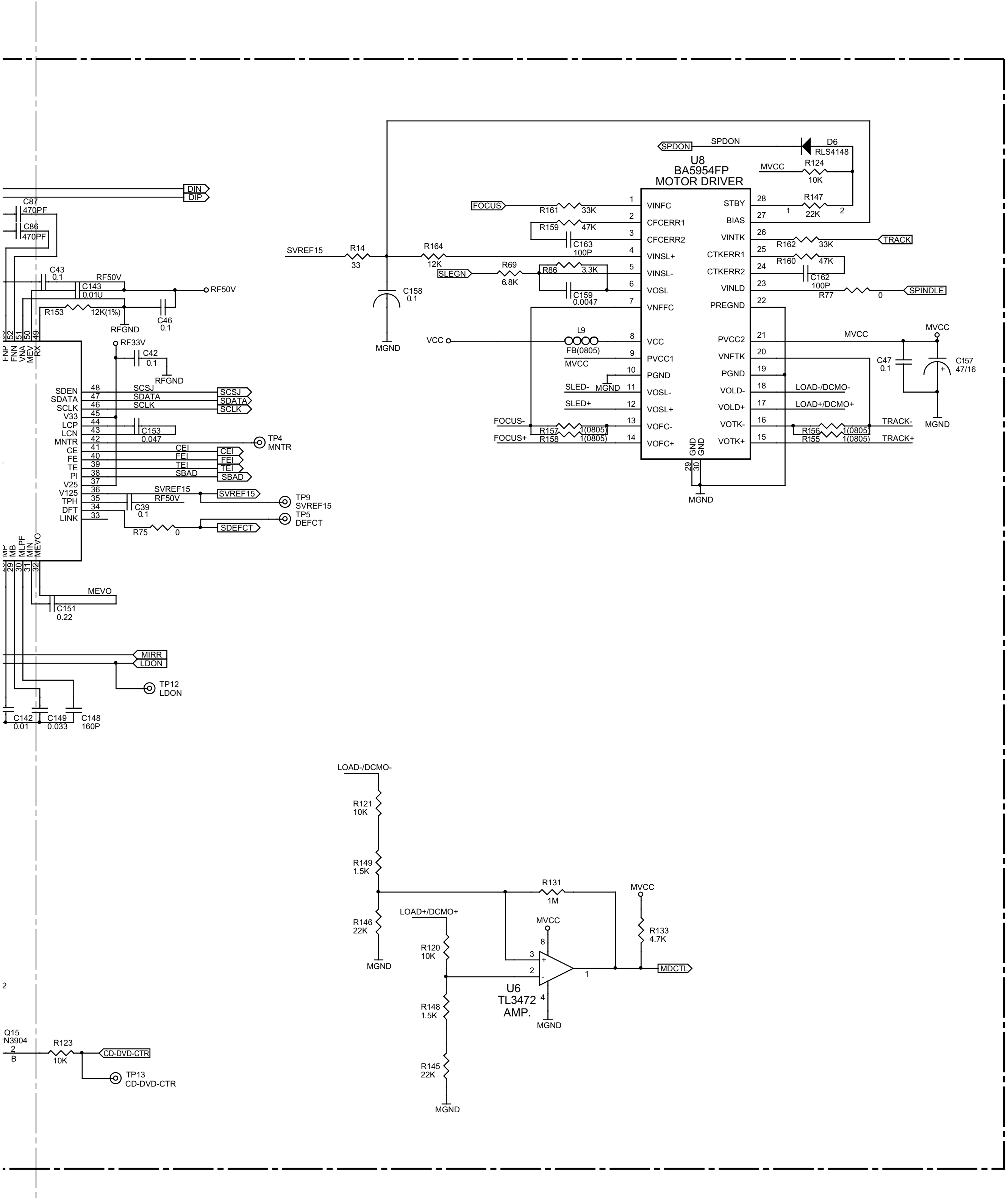
Figure 6-10 SCHEMATIC DIAGRAM (9/13)

[8] SCHEMATIC DIAGRAM DVD2/3



● NOTES ON SCHEMATIC DIAGRAM can be found on page 6-1

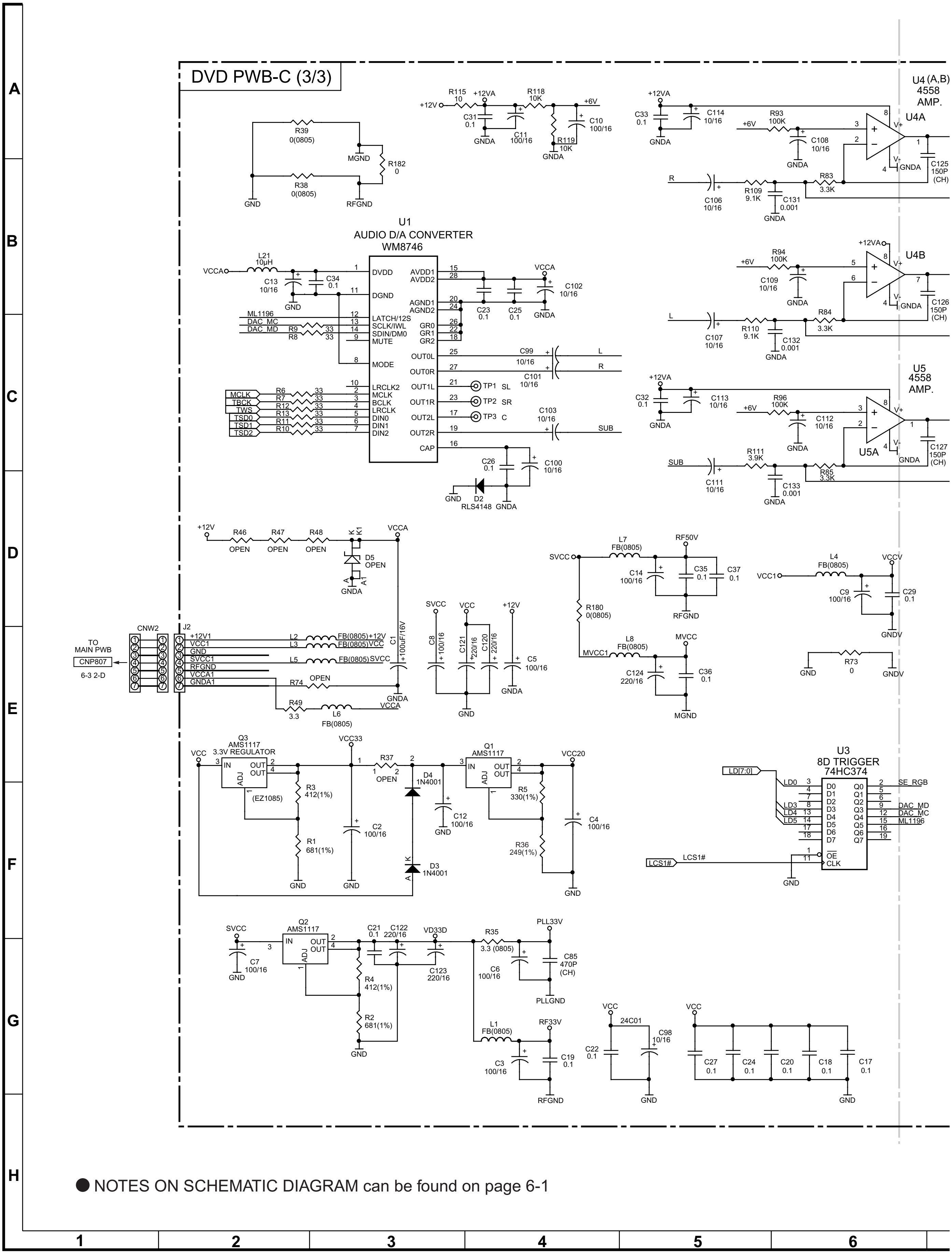
Figure 6-11 SCHEMATIC DIAGRAM (10/13)



7 | 8 | 9 | 10 | 11 | 12

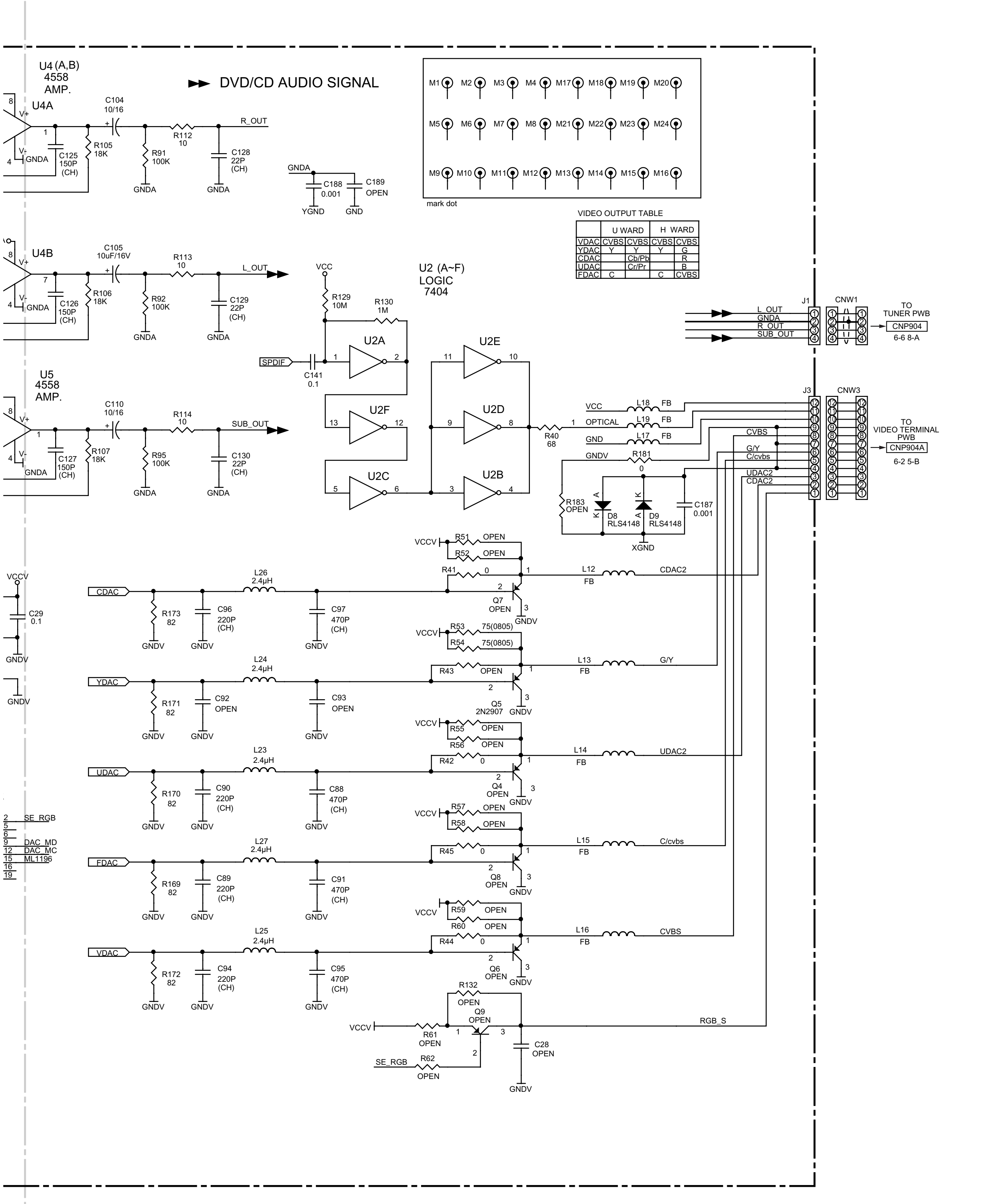
Figure 6-12 SCHEMATIC DIAGRAM (11/13)

[9] SCHEMATIC DIAGRAM DVD3/3



● NOTES ON SCHEMATIC DIAGRAM can be found on page 6-1

Figure 6-13 SCHEMATIC DIAGRAM (12/13)



7	8	9	10	11	12

Figure 6-14 SCHEMATIC DIAGRAM (13/13)

[10] WIRING SIDE OF PWB

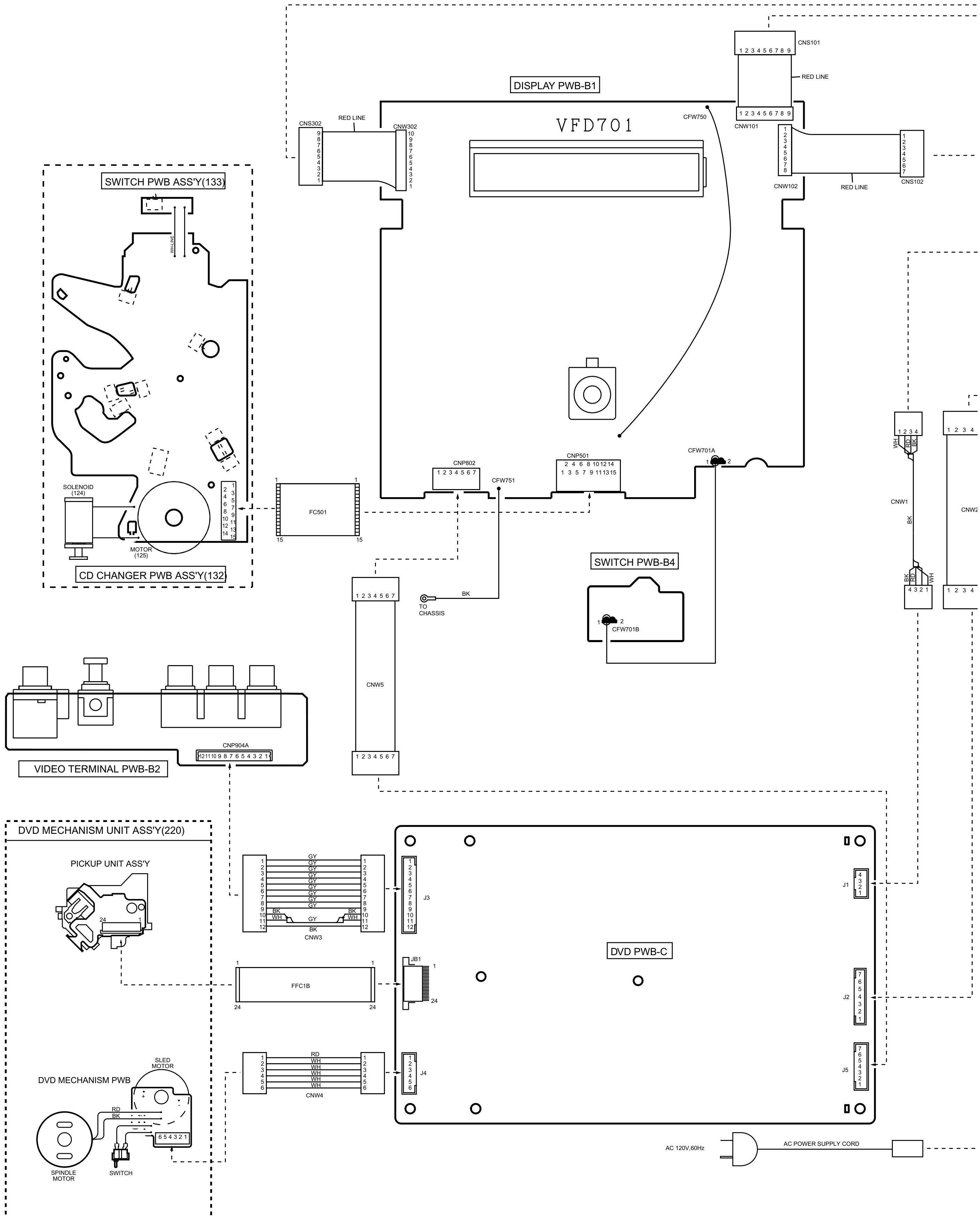


Figure 6-15 WIRING SIDE OF PWB (1/15)

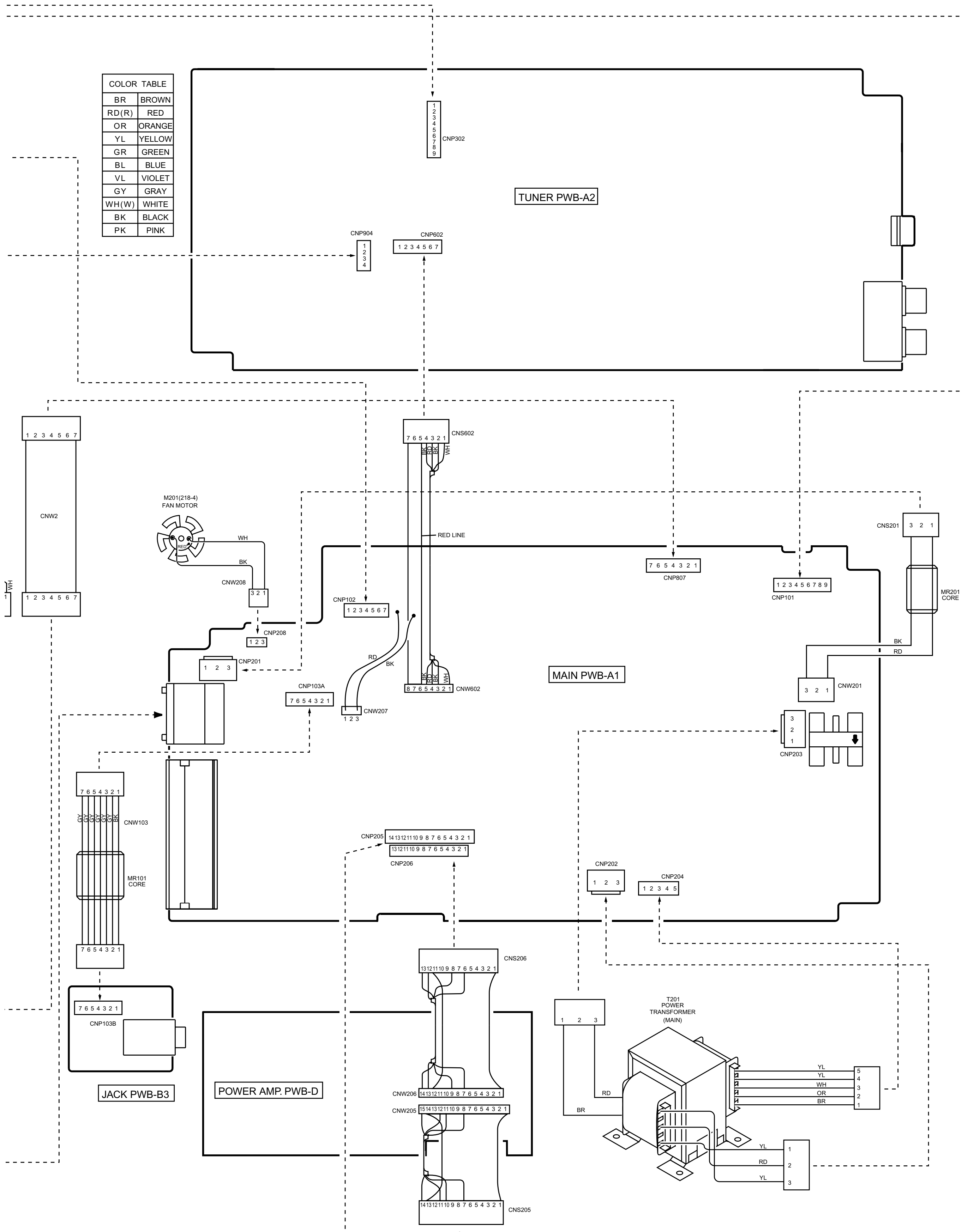


Figure 6-16 WIRING SIDE OF PWB (2/15)

[11] WIRING SIDE OF PWB MAIN TOP/POWER AMP./JACK

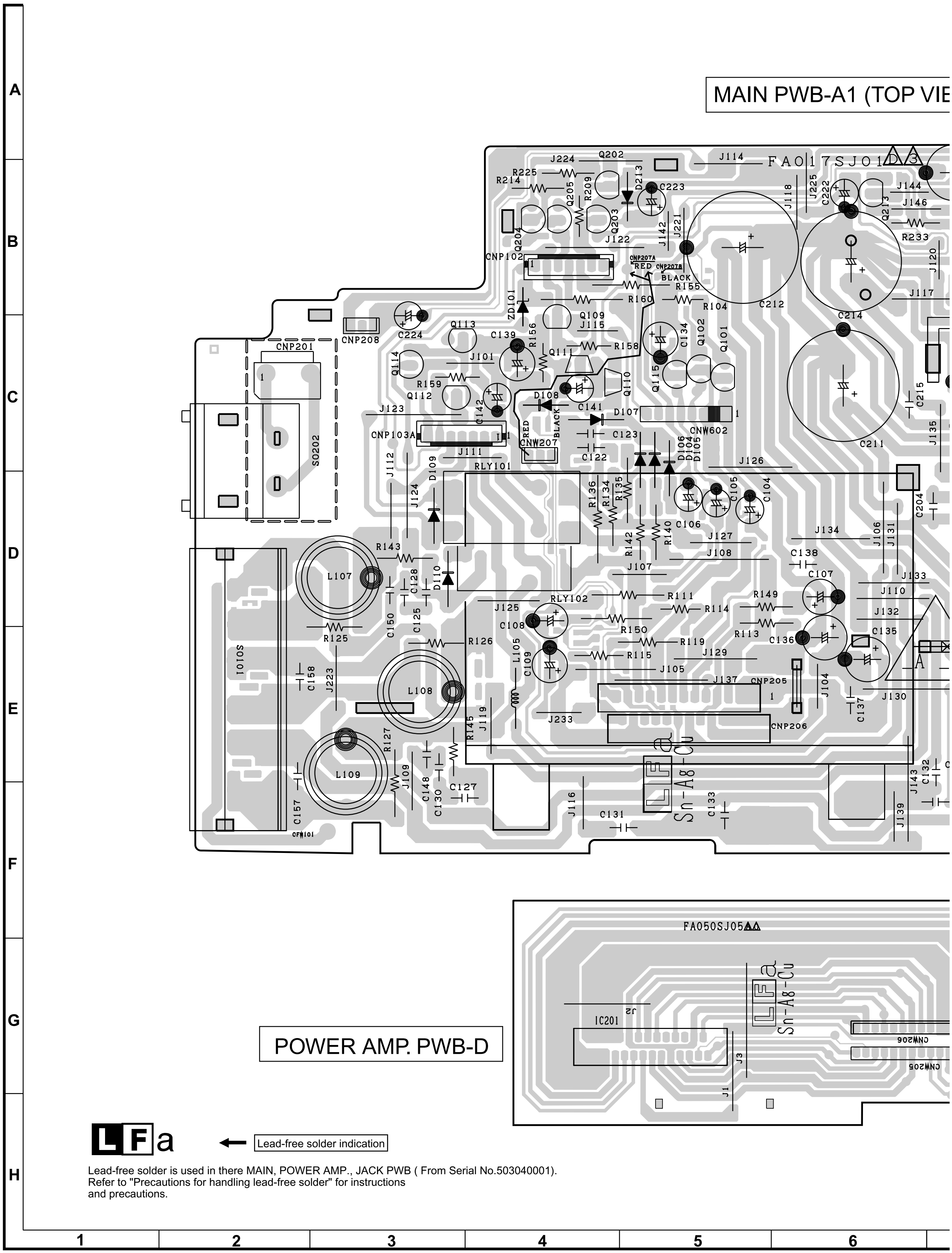
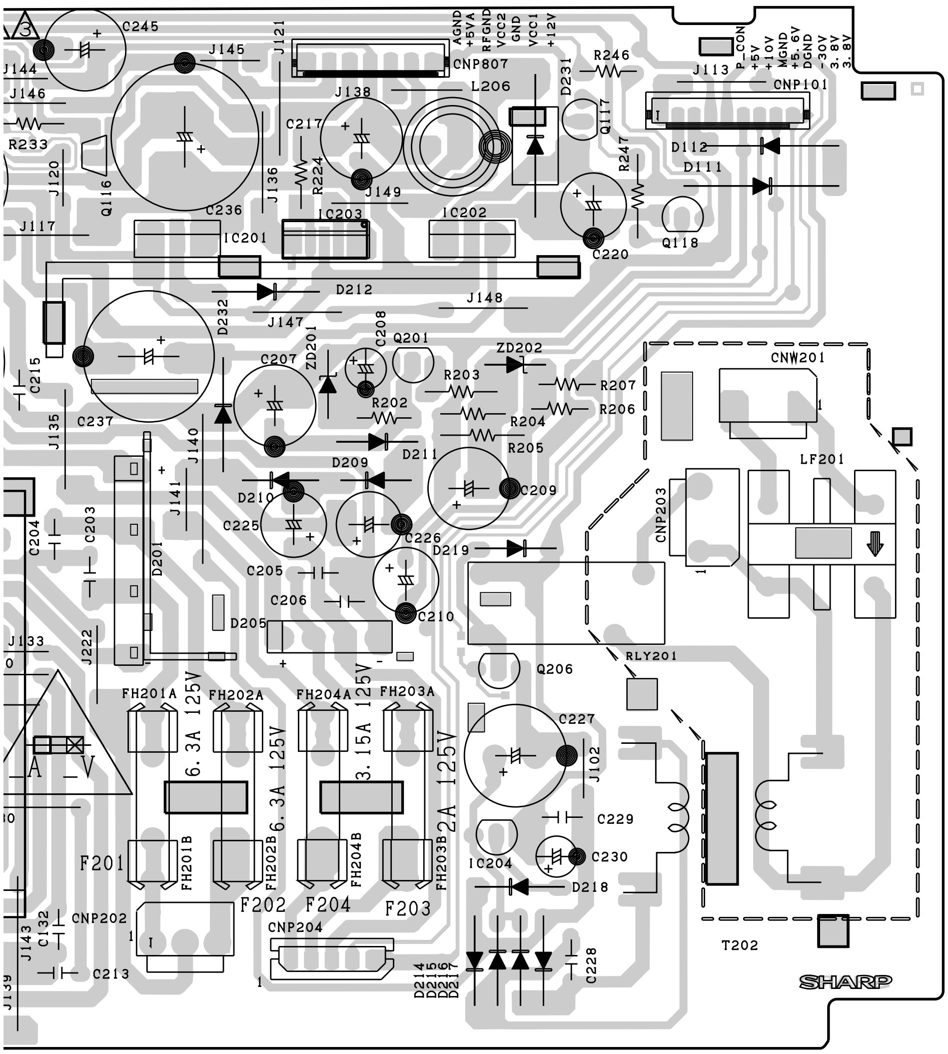
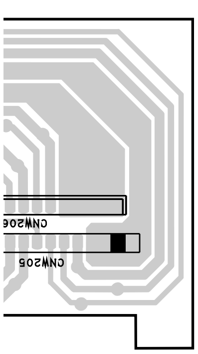


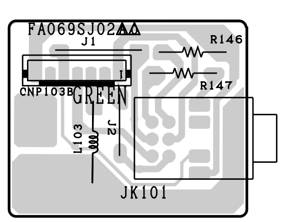
Figure 6-17 WIRING SIDE OF PWB (3/15)

P VIEW)





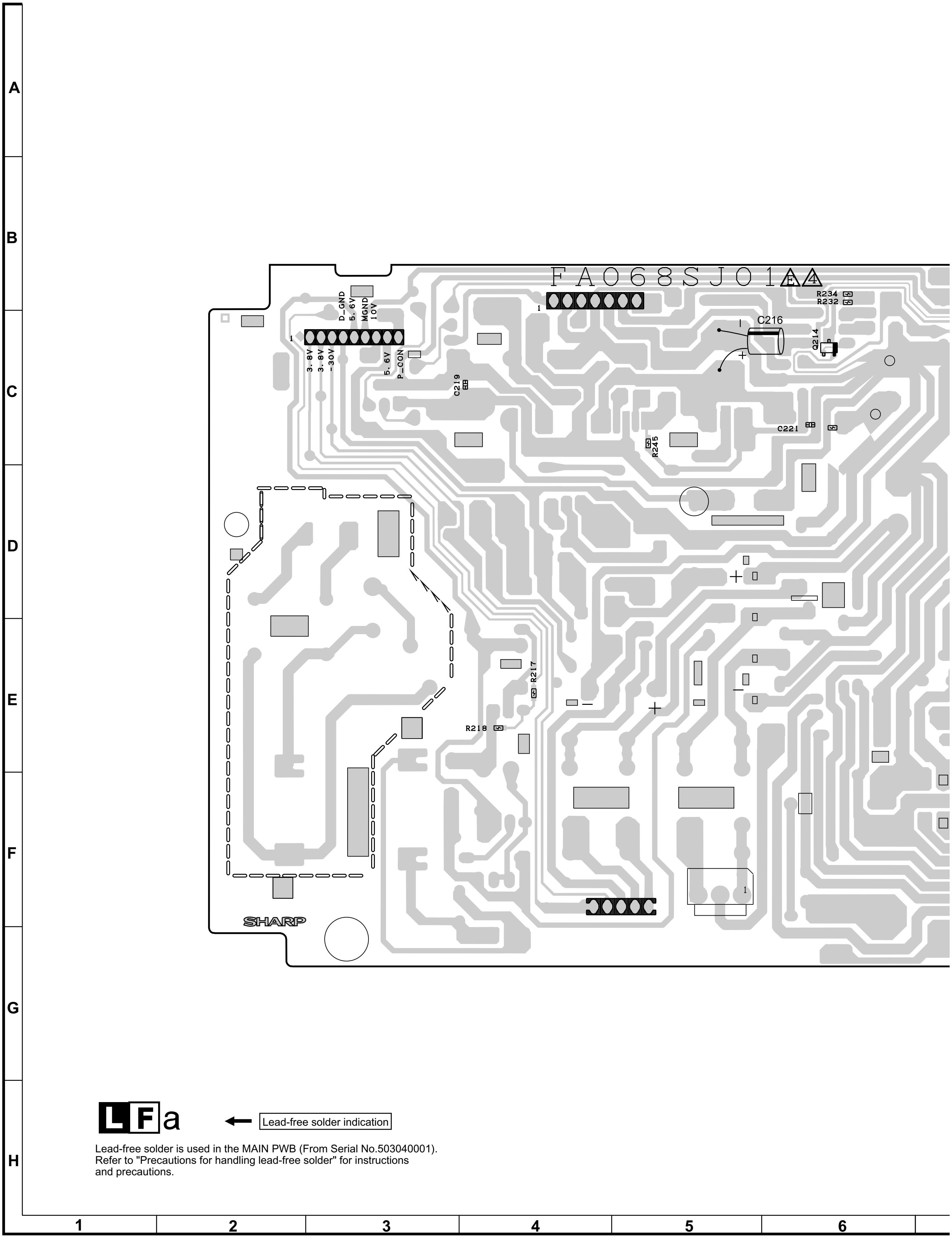
JACK PWB-B3



	7	8	9	10	11	12

Figure 6-18 WIRING SIDE OF PWB (4/15)

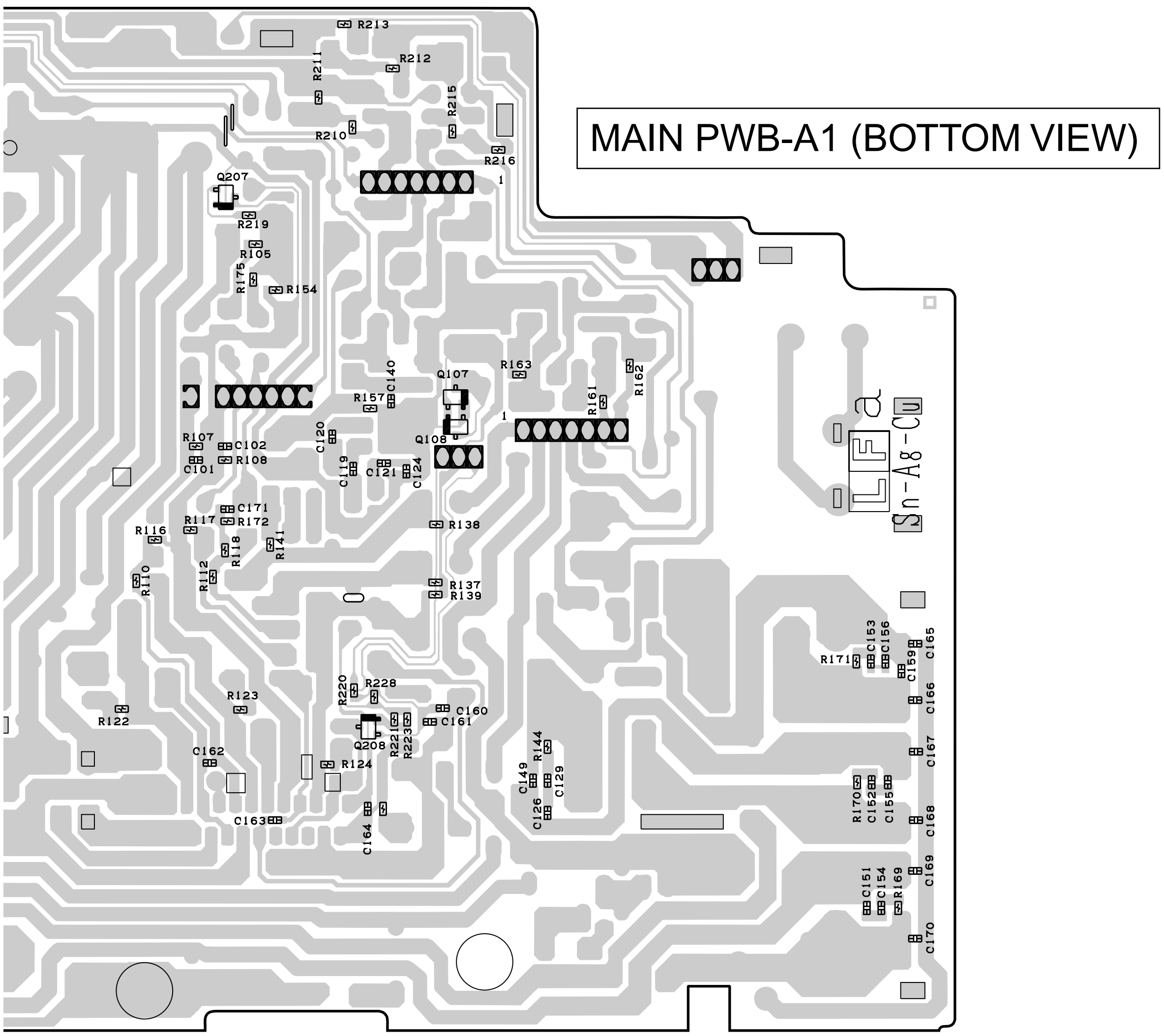
[12] WIRING SIDE OF PWB MAIN BOTTOM



Lead-free solder indication

Lead-free solder is used in the MAIN PWB (From Serial No.503040001).
Refer to "Precautions for handling lead-free solder" for instructions and precautions.

Figure 6-19 WIRING SIDE OF PWB (5/15)

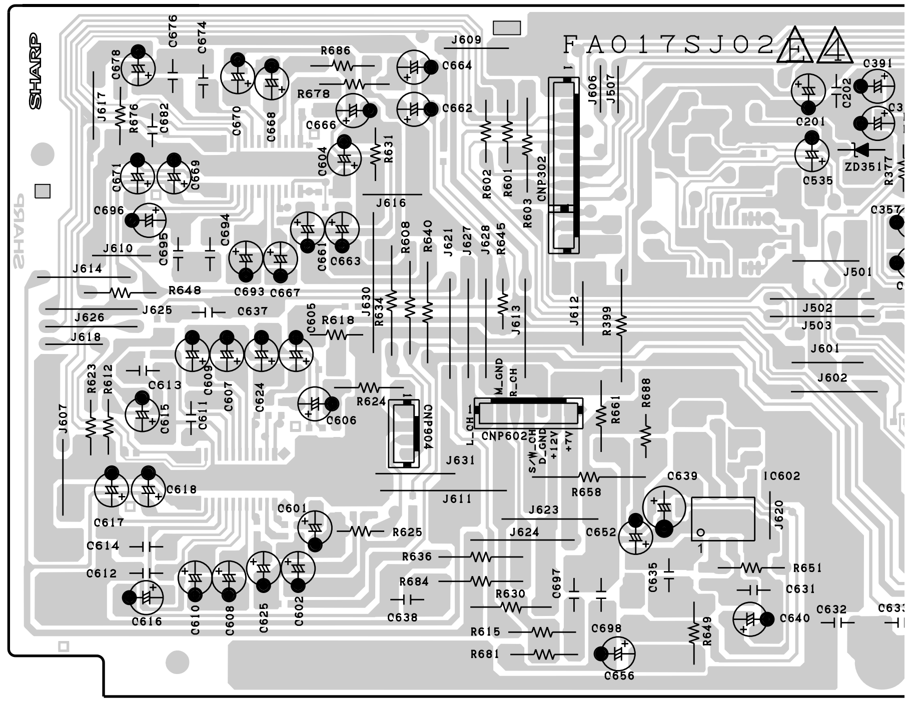


	7	8	9	10	11	12

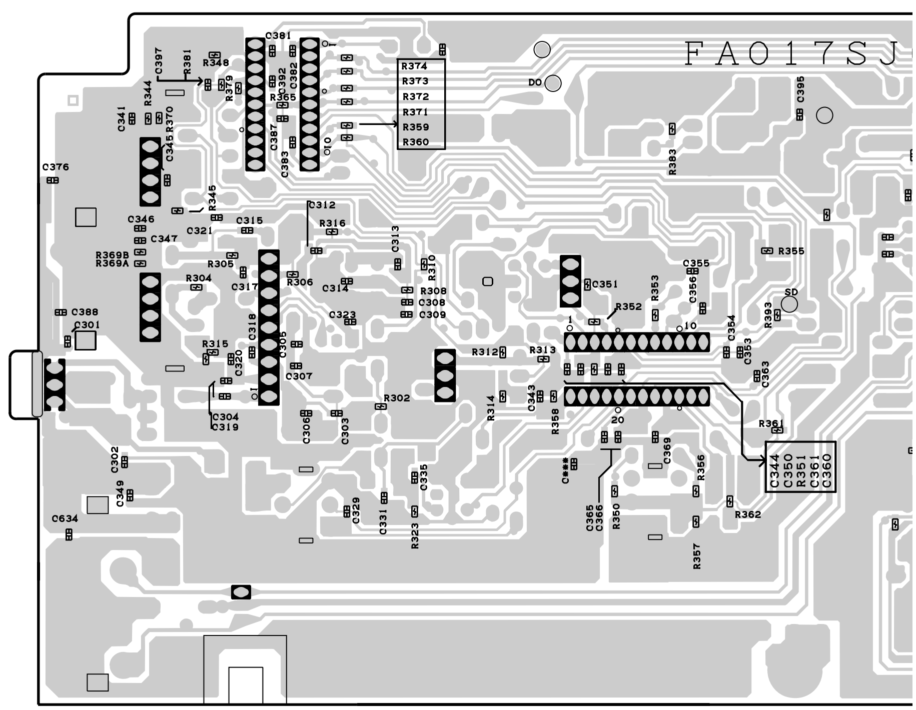
Figure 6-20 WIRING SIDE OF PWB (6/15)

[13] WIRING SIDE OF PWB TUNER

TUNER PWB-A2 (TOP VIEW



TUNER PWB-A2 (BOTTOM VIEW

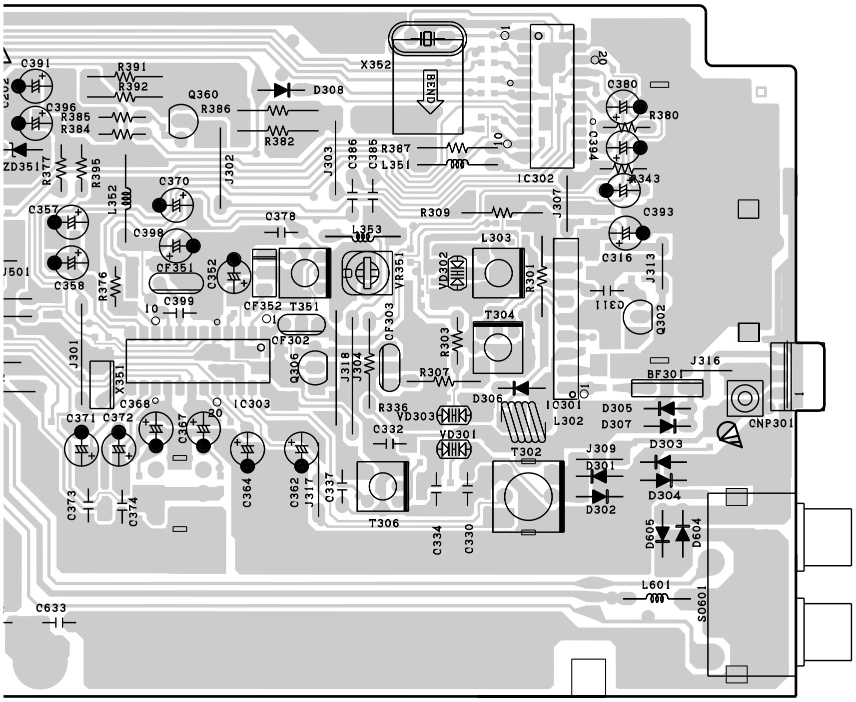


LFa ← Lead-free solder indication

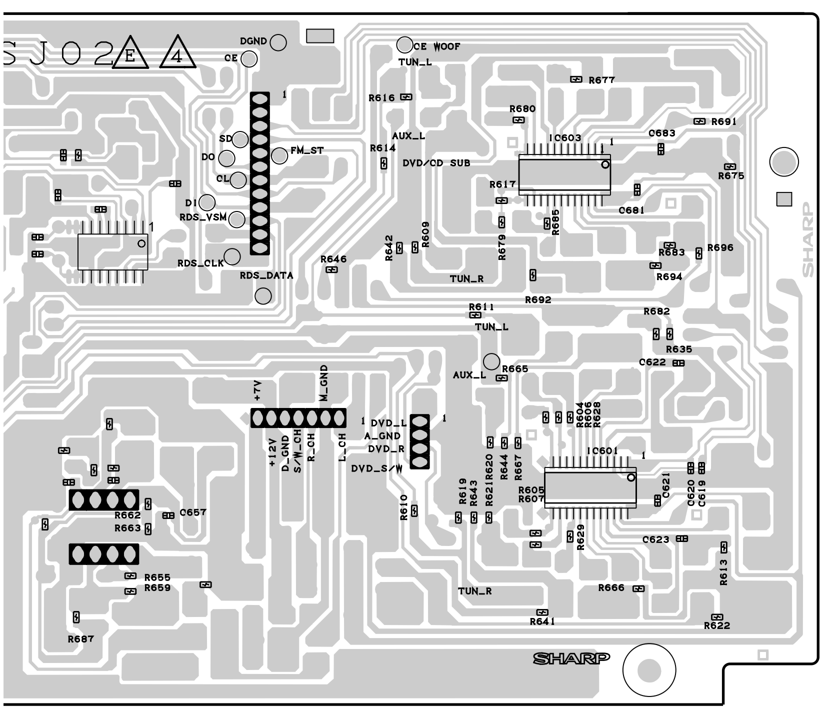
Lead-free solder is used in the TUNER PWB (From Serial No.503040001).
Refer to "Precautions for handling lead-free solder" for instructions and precautions.

Figure 6-21 WIRING SIDE OF PWB (7/15)

IEW)



IEW)

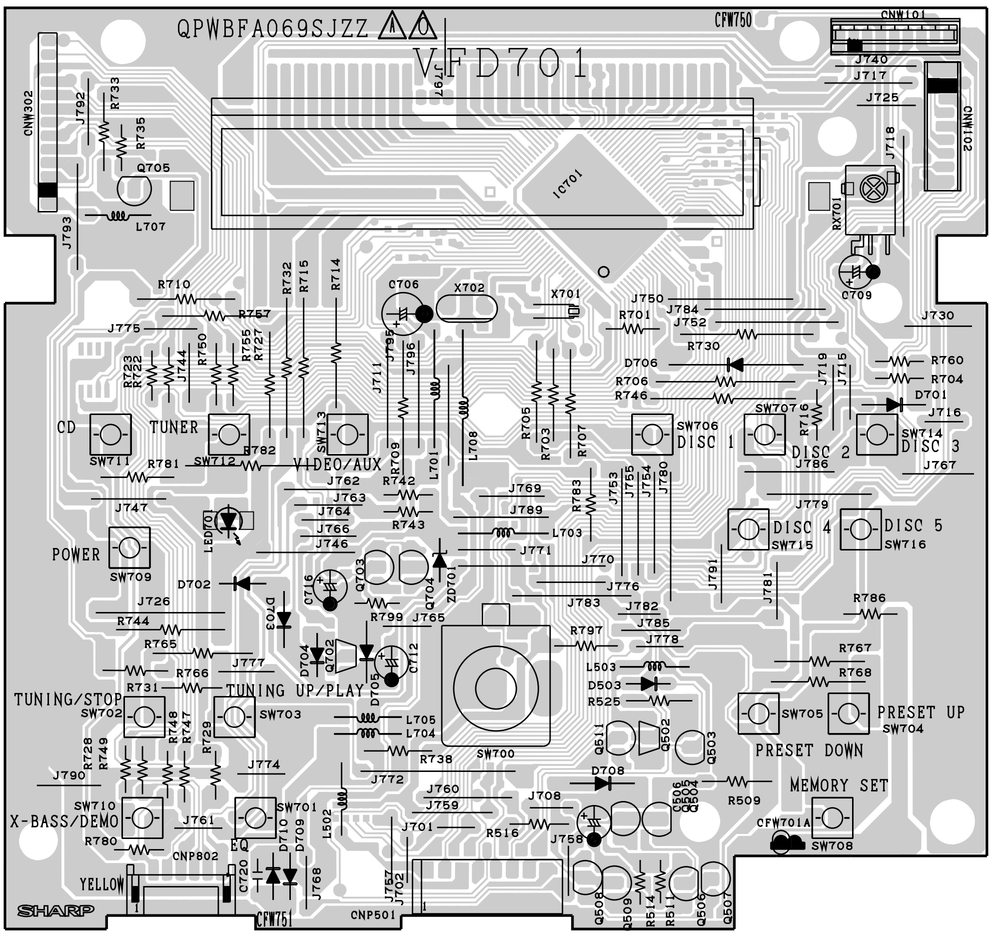


	7	8	9	10	11	12

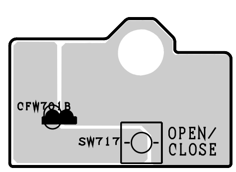
Figure 6-22 WIRING SIDE OF PWB (8/15)

[14] WIRING SIDE OF PWB DISPLAY/SWITCH

DISPLAY PWB-B1 (TOP VIEW)



SWITCH PWB-B4

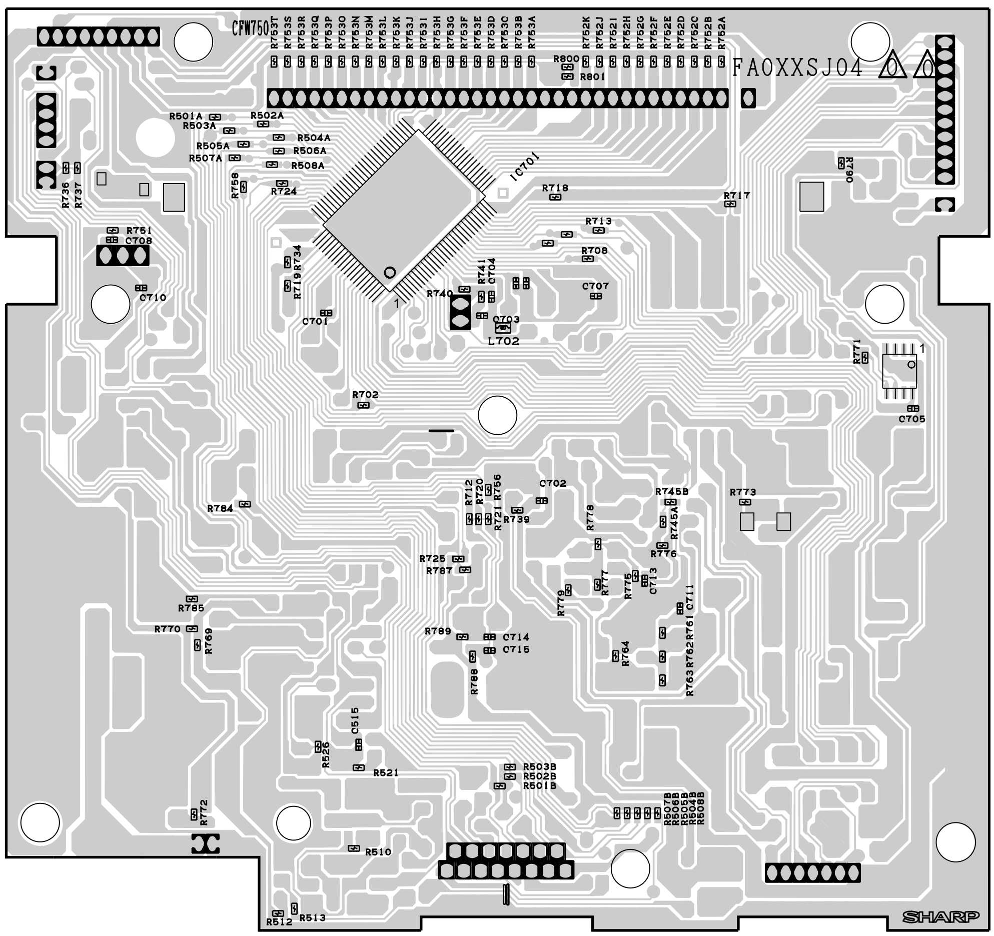


LFa ← Lead-free solder indication

Lead-free solder is used in the DISPLAY,SWITCH PWB(From Serial No.503040001).
Refer to "Precautions for handling lead-free solder" for instructions and precautions.

Figure 6-23 WIRING SIDE OF PWB (9/15)

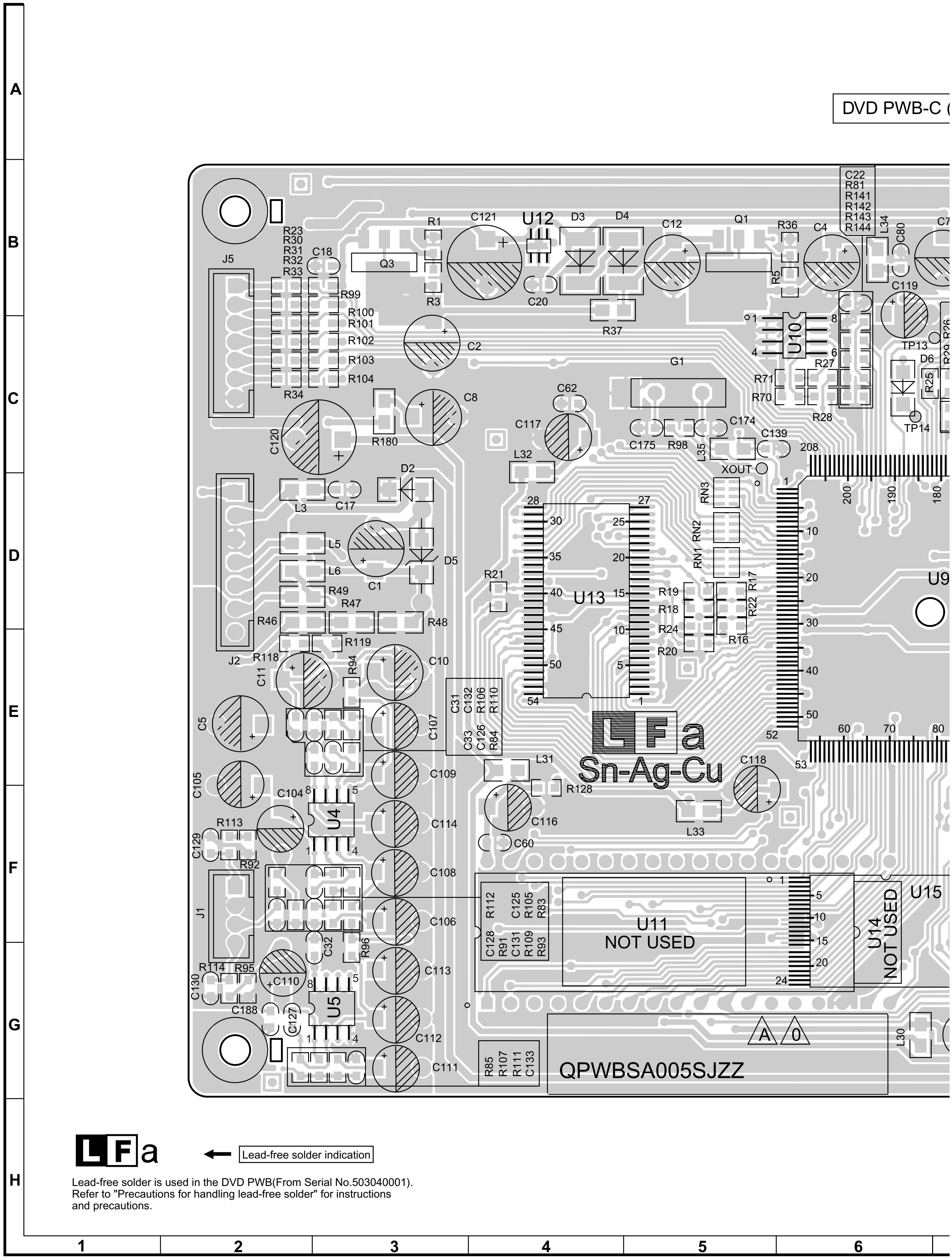
DISPLAY PWB-B1 (BOTTOM VIEW)



	7	8	9	10	11	12

Figure 6-24 WIRING SIDE OF PWB (10/15)

[15] WIRING SIDE OF PWB DVD TOP

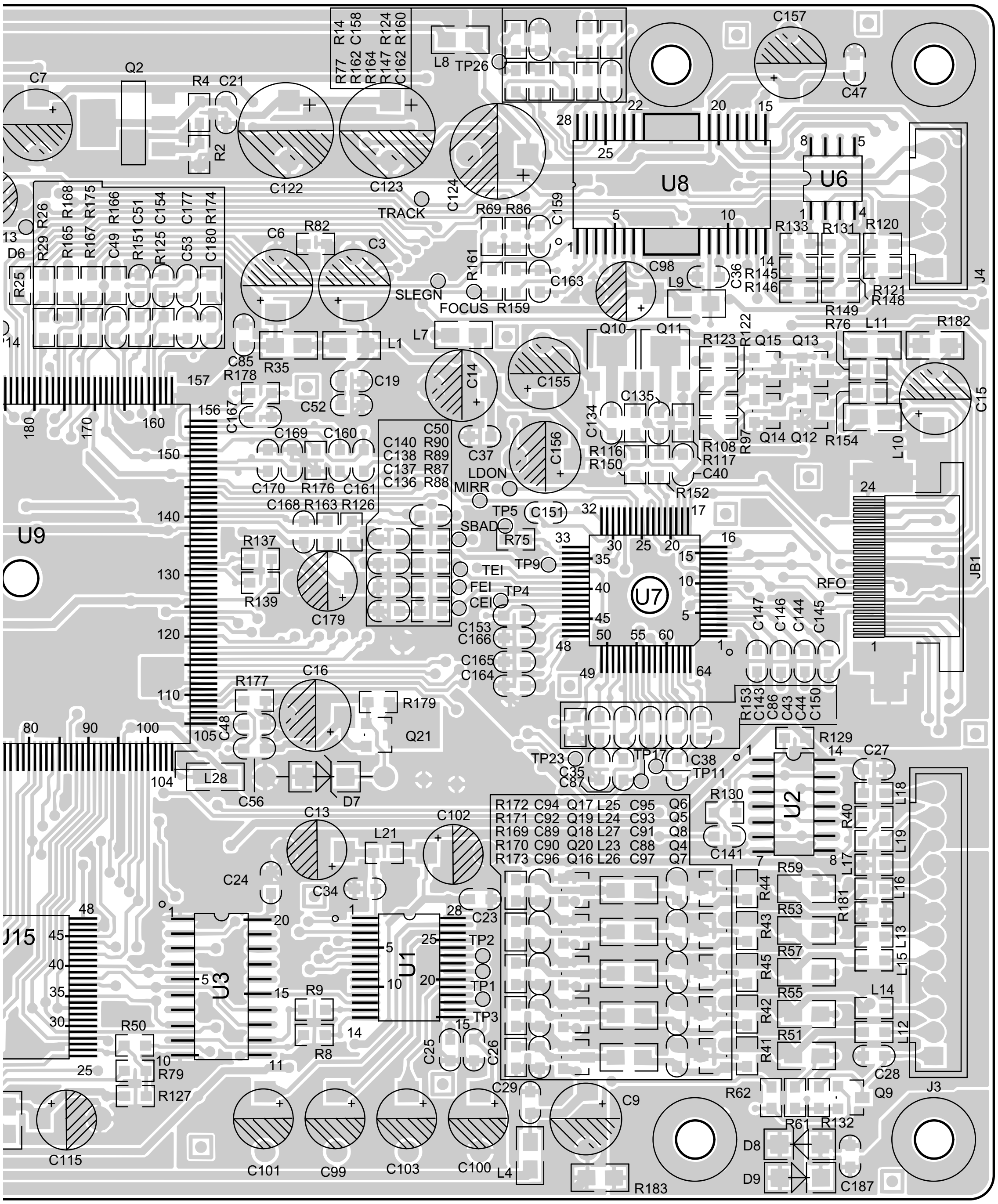


LFa ← Lead-free solder indication

Lead-free solder is used in the DVD PWB(From Serial No.503040001).
Refer to "Precautions for handling lead-free solder" for instructions
and precautions.

Figure 6-25 WIRING SIDE OF PWB (11/15)

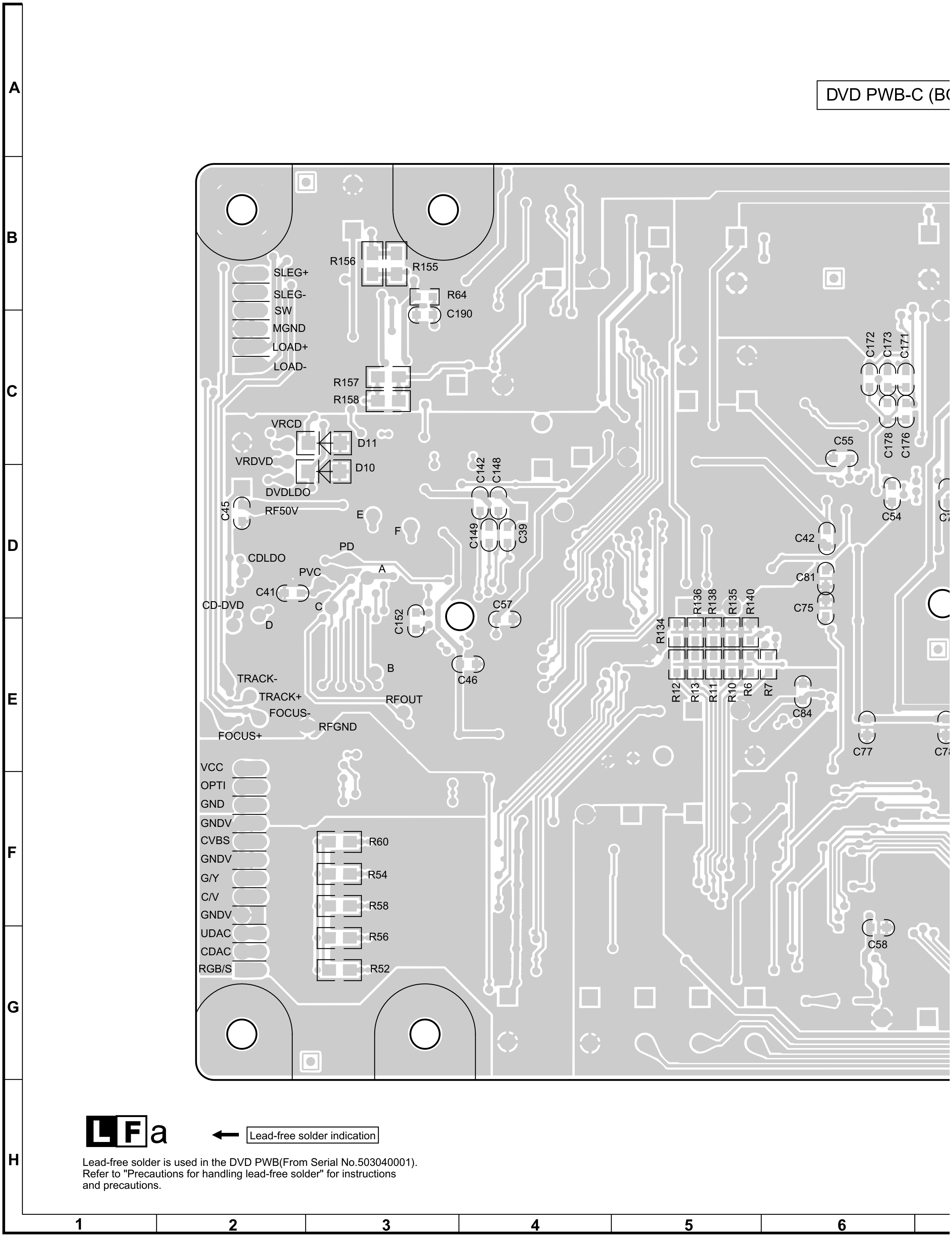
B-C (TOP VIEW)



7	8	9	10	11	12

Figure 6-26 WIRING SIDE OF PWB (12/15)

[16] WIRING SIDE OF PWB DVD BOTTOM

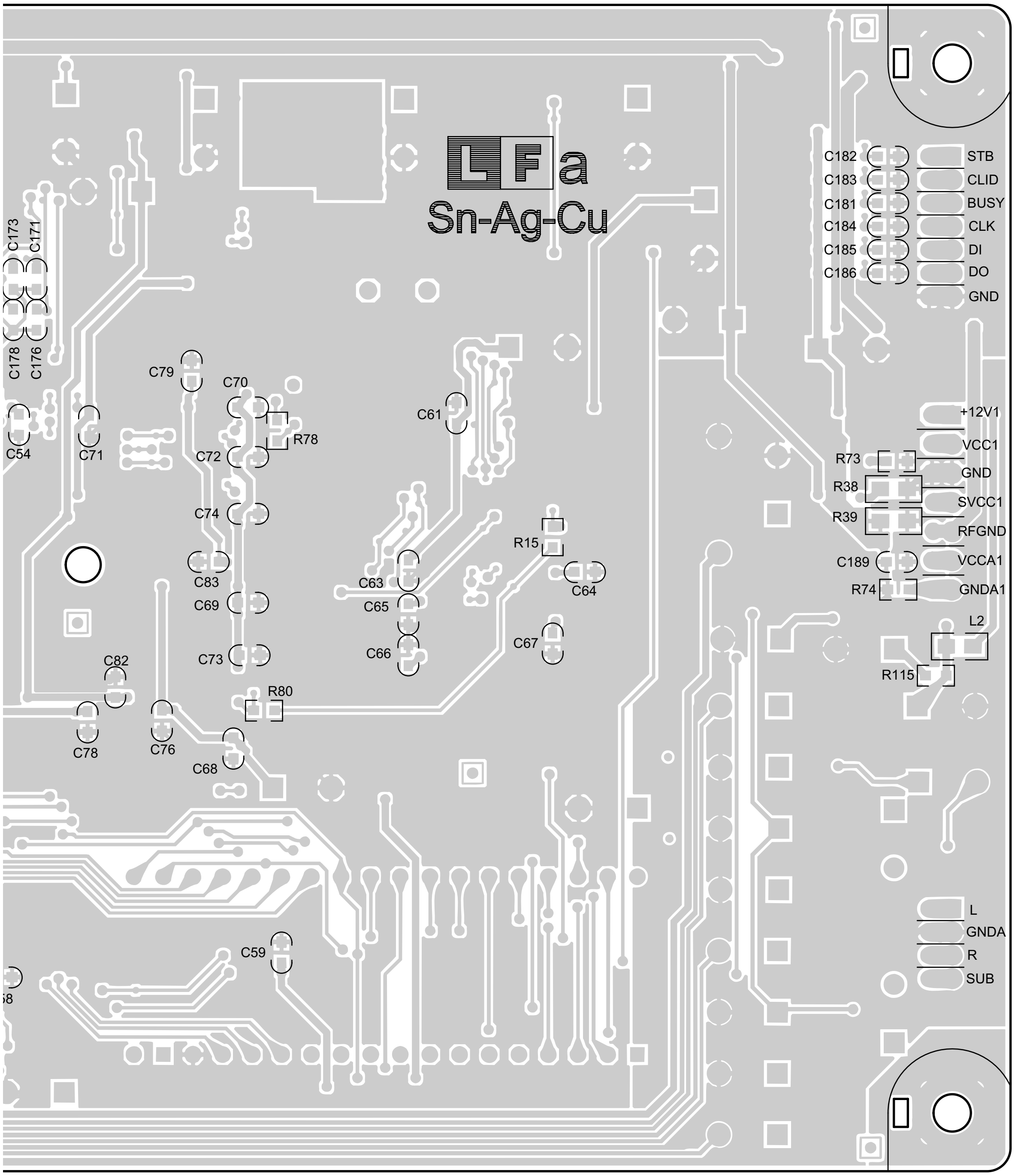


LFa ← Lead-free solder indication

Lead-free solder is used in the DVD PWB(From Serial No.503040001).
Refer to "Precautions for handling lead-free solder" for instructions and precautions.

Figure 6-27 WIRING SIDE OF PWB (13/15)

WB-C (BOTTOM VIEW)

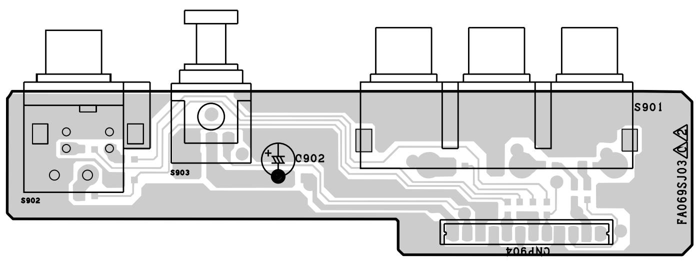


	7	8	9	10	11	12

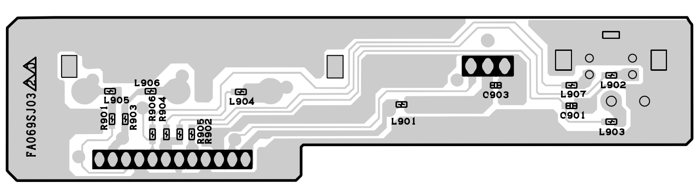
Figure 6-28 WIRING SIDE OF PWB (14/15)

[17] WIRING SIDE OF PWB VIDEO TERMINAL

VIDEO TERMINAL PWB-B2 (TOPVIEW)



VIDEO TERMINAL PWB-B2 (BOTTOM VIEW)



LFa ← Lead-free solder indication

Lead-free solder is used in the VIDEO TERMINAL PWB(From Serial No.503040001).
Refer to "Precautions for handling lead-free solder" for instructions
and precautions.

Figure 6-29 WIRING SIDE OF PWB (15/15)

CHAPTER 7. FLOWCHART

[1] TROUBLESHOOTING

1. When the CD does not function

The CD section may not operate when the objective lens of the optical pickup is dirty. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Remove the cabinet and follow the trouble shooting instructions.

"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.

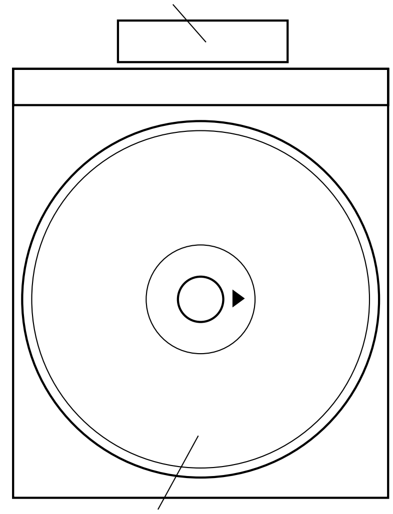
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

		Parts code
1.	CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down,then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it still play continuously, press the stop button.



CAUTION

- The CD lens cleaner should be effective for 30-50 operations, however if the brushes become worn out earlier then please replace the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD-ROM drives.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.

2. When a DVD/CD cannot be played

2.1. Pressing the DVD/CD operation key is accepted, but playback does not occur.

1) Focus-HF system check
2) Tracking system check
3) Spin system check
4) Others

(1) Focus-HF system check.

Although a DVD/CD is inserted and the cover is closed, "NO DISC" is displayed.

Press the OPEN/CLOSE switch (SW717) without inserting a disc, and try starting the playback operation.

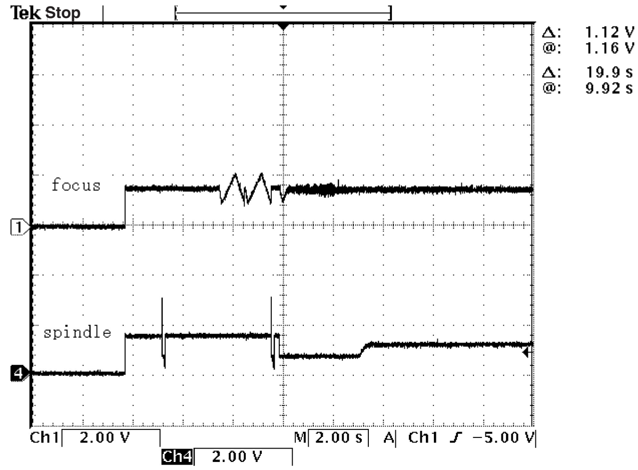


Figure 1

Question		Action
1. Does the pickup move to the PICKUP-IN Switch position?	No →	Sled motor.
↓ Yes		
2. Does the focus (lens) move up and down? (Waveform drawing Figure 1)	No →	Check the focus peripheral circuit.
↓ Yes		
3. Is the laser lit?	No →	Check the laser diode driver Q10,Q11 peripheral circuit.
↓ Yes		
4. Is the turntable rotating?	No →	Spindle motor.

When a disc is loaded, start playback operation.

↓

Question		Action
1. Is focus servo activated? (Waveform drawing Figure 2)	No →	Pins 39~41, 79 and 63 on U7. Check the laser diode driver Q10,Q11 peripheral circuit.
↓ Yes		
3. Is the HF waveform normal? (Waveform drawing Figure 3)	No →	If the level is not normal.

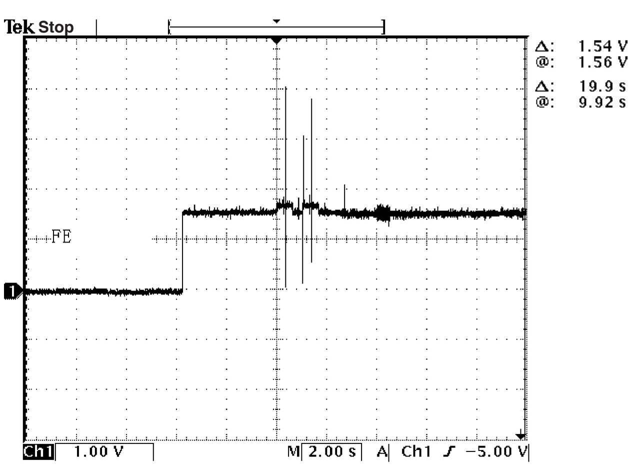


Figure 2

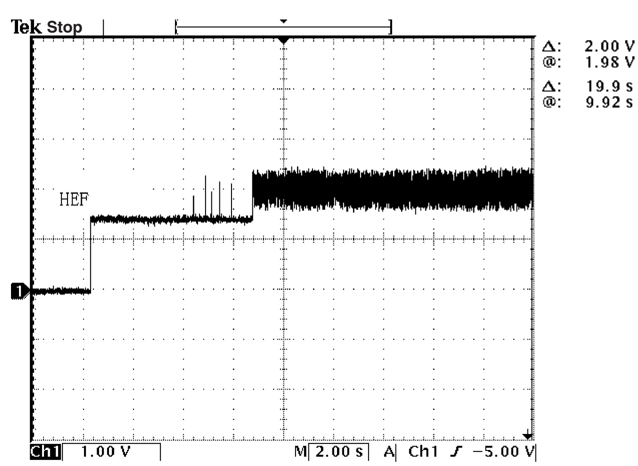


Figure 3

(2) Tracking system check.

Check the TE waveform at pin 39 on U7.

If the waveform shown in Figure 4 appears and soon after NO DISC appears?

→ Yes: The tracking servo is not activated.
Check the peripheral circuits at pin 39 on U7, and Pin 145 on U9 and FFC1B.

↓ No

"Initialization" is possible, but play is not possible?

→ Yes: Check the CNP802 and J5 connect well or not.

↓ No

"Initialization" is not possible.

→ Check the J5 connect well or not

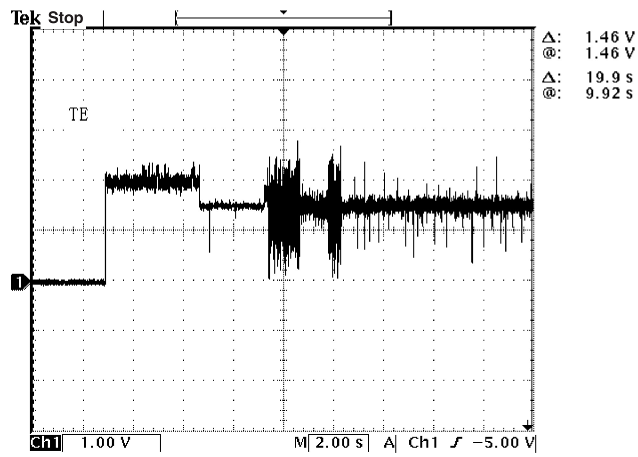


Figure 4

(3) Spin system check.

Press the OPEN/CLOSE switch without inserting a disc, and then try starting the play operation.

↓

1. The turntable rotates a little?
(Waveform drawing Figure 5)

→ Yes: The spin driver circuit is OK.

↓ No

2. The turntable doesn't rotate.

→ Check around pins 17,18 on U8.

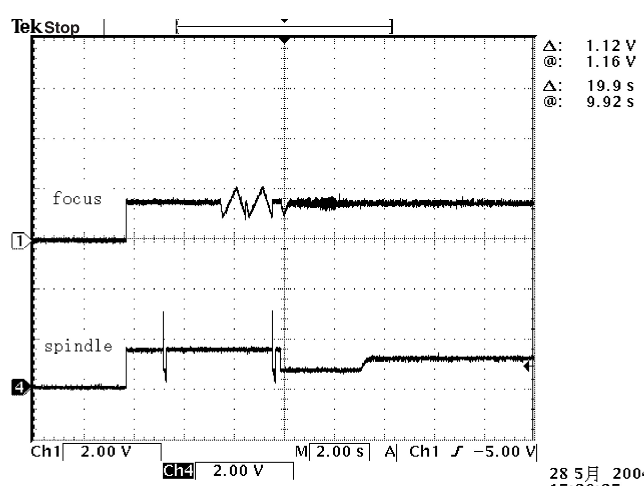


Figure 5

(4) Others.

When toc can read out and play normal, but no sound, please check as the following steps:

Question	No →	Action
Is the waveform correct? (Waveform drawing Figure 6)	No	Check U9.
↓ Yes		
Is U1 output L/R and sub woofer normally?	No	Change U1.
↓ Yes		
Is J1 connect correctly?	No	Connect J1 well.
↓ Yes		
Check CNP904 if connect well.		

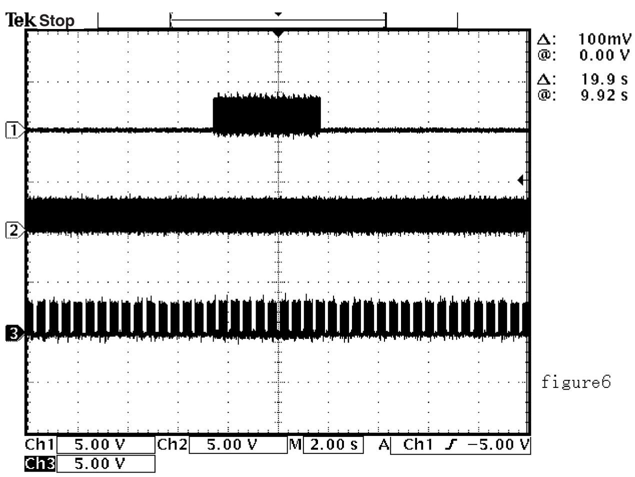


Figure 6

CHAPTER 8. OTHERS

[1] FUNCTION TABLE OF IC

IC601 VHiLC75341M-1: Signal Control (LC75341M)

IC603 VHiLC75341M-1: Signal Control (LC75341M)

Pin No.	Terminal Name	Function
1	DI	Serial data and clock input pin for control.
2	CE	Chip enable pin. Data written into an internal latch in a timing of "H" to "L". Each analog switch is activated. Data transfer enabled at "H" level.
3	VSS	Ground pin.
4	LOUT	Bass band filter comprising capacitor and resistor connection pin and bass/treble output pin.
5	LBASS	Bass band filter comprising capacitor and resistor connection pin.
6	LTRE	Treble band filter comprising capacitor and resistor connection pin.
7	LIN	Volume + equaliser output pin.
8	LSEL0	Input selector output pin.
9,10*11 12	L4-1	Input signal pin.

Pin No.	Terminal Name	Function
13,14, 15*,16	R1-4	Input signal pin.
17	RSEL0	Input selector output pin.
18	RIN	Volume + equaliser output pin
19	RTRE	Treble band filter comprising capacitor and resistor connection pin.
20	RBASS	Bass band filter comprising capacitor and resistor connection pin.
21	ROUT	Bass band filter comprising capacitor and resistor connection pin and bass/treble output pin.
22	VREF	0.5x VDD voltage generation block for analog ground. Capacitor of several 10μF to be connected between VREF and AWSS (VSS) as a countermeasure against power ripple.
23	VDD	Supply pin
24	CL	Serial data and clock input pin for control.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC601 VHiLC75341M-1: Signal Control (LC75341M)

IC603 VHiLC75341M-1: Signal Control (LC75341M)

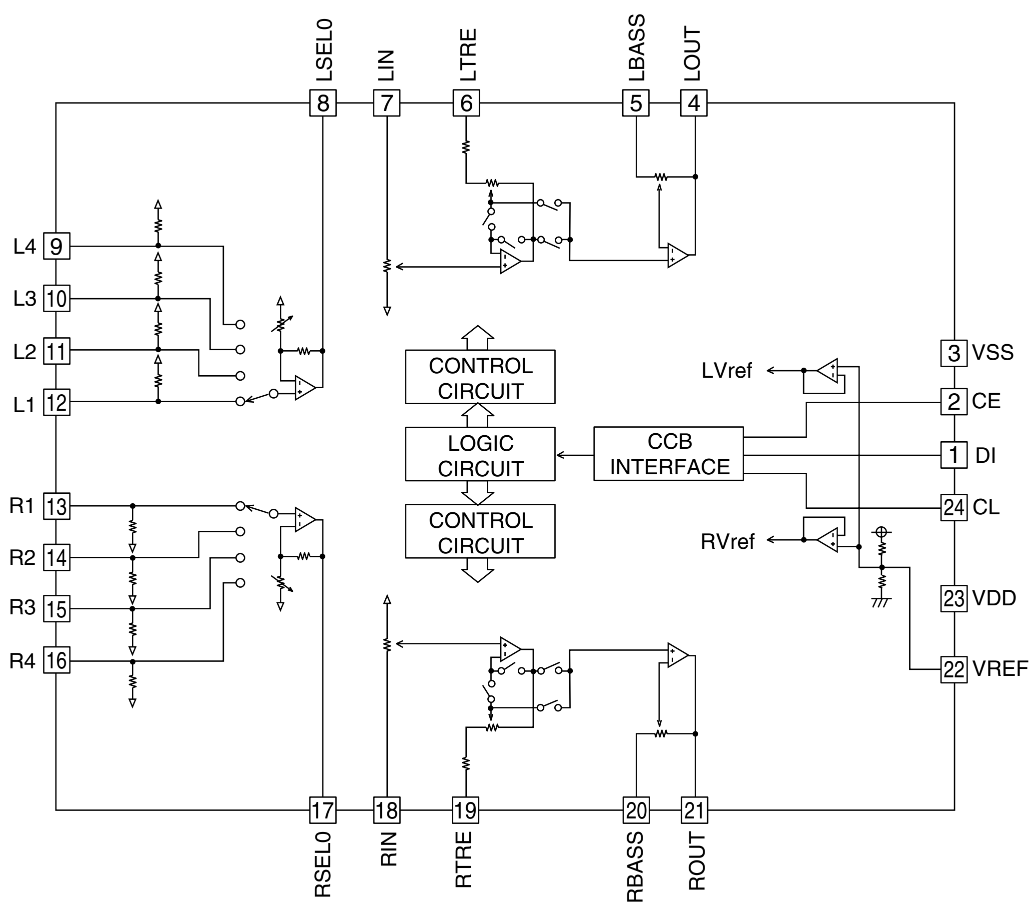


Figure 1 BLOCK DIAGRAM OF IC

IC701 RH-iXA009SJZZ: System Microcomputer (IXA009SJ)

<table>
<tr><th>Pin No.</th><th>Port Name</th><th>Input/Output</th><th>Function</th></tr>
<tr><td>14,89</td><td>VSS1,VSS2</td><td>-</td><td>• Power supply (-)</td></tr>
<tr><td>17,90,
46,72</td><td>VDD1,VDD2,
VDD3,VDD4</td><td>-</td><td>• Power supply (+)</td></tr>
<tr><td>51</td><td>FIX0</td><td>-</td><td>• Test Pin
Set as VSS with the user’s option. (Note1)</td></tr>
<tr><td>85,86,87,
88,91,92,
93*,94</td><td>PORT0 P00 to
P07</td><td>I/O</td><td>• 8bit input/output port
• data direction programmable in nibble units
• Use of pull-up resistor can be specified in nibble units
• Input for HOLD release
• Input for port 0 interrupt
• 14V withstand at N-channel open drain output</td></tr>
<tr><td>1,2,95,96,
97,98,99,
100*</td><td>PORT1 P10 to
P17</td><td>I/O</td><td>• 8bit input/output port
• data direction programmable for each bit
• Use of pull-up resistor can be specified for each bit
• Other pin functions
P10: SIO0 data output
P11: SIO0 data input / bus input / output
P12: SIO0 clock input / output
P13: SIO1 data output
P14: SIO1 data input / bus input / output
P15: SIO1 clock input / output
P16: Timer 1 PWML output
P17: Timer 1 PWMH output / Buzzer output</td></tr>
<tr><td>3*,4*,5*,6,
7,8,9*,10*</td><td>PORT3 P30 to
P37</td><td>I/O</td><td>• 8bit Input/output port
• Data direction can be specified for each bit
• Use of pull-up resistor can be specified for each bit
• 14V withstand at N-channel open drain output
• Other functions:
P30-P33: INT4 input / HOLD release input / Timer 1 event input / Timer 0L capture input / Timer 0H capture input
P34- 37: INT5 input / HOLD release input / Timer 1 event input / Timer 0L capture input / Timer 0H capture input
• The following types of interrupt detection are possible:
<table>
<tr><th></th><th>Rising</th><th>Falling</th><th>Rising/
Falling</th><th>H level</th><th>L level</th></tr>
<tr><td>INT4</td><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>No</td></tr>
<tr><td>INT5</td><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>No</td></tr>
</table></td></tr>
<tr><td>26,27,
28*,29</td><td>PORT7 P70 to
P73</td><td>I/O</td><td>• 4bit input/output port
• Data direction can be specified for each bit
• Use of pull-up resistor can be specified for each bit
• Other functions
P70: INT0 input / HOLD release input / Timer0L capture input / Output for watchdog timer
P71 INT1 input / HOLD release input / Timer0H capture input
P72: INT2 input / HOLD release input / Timer 0 event input / Timer0L capture input / High speed clock counter input
P73: INT3 input(noise rejection filter attached input) / Timer 0 event input /Timer 0H capture input
AD input port: AN8(P70), AN9(P71), AN12(P72), AN13(P73)
The following types of interrupt detection are possible:
<table>
<tr><th></th><th>Rising</th><th>Falling</th><th>Rising/
Falling</th><th>H level</th><th>L level</th></tr>
<tr><td>INT0</td><td>Yes</td><td>Yes</td><td>No</td><td>Yes</td><td>Yes</td></tr>
<tr><td>INT1</td><td>Yes</td><td>Yes</td><td>No</td><td>Yes</td><td>Yes</td></tr>
<tr><td>INT2</td><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>No</td></tr>
<tr><td>INT3</td><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>No</td></tr>
</table></td></tr>
<tr><td>18,19,20,
21*,22*,
23,24,25</td><td>PORT8 P80 to
P87</td><td>I/O</td><td>• 8bit input/output port
• Input/output can be specified in a bit unit
• Other functions:
AD input port: AN0 to AN7
Weak signal detector input port: MICIN(P87)</td></tr>
<tr><td>30,31,32,
33,34,35,
36,37,38</td><td>S0/T0 to S8/
T8</td><td>O</td><td>• Large current output for VFD display controller digit (can be used for segment)</td></tr>
</table>

Pin No.	Port Name	Input/Output	Function
39,40, 41*,42,43, 44,45	S9/T9 to S15/ T15	O	• Large current output for VFD display controller segment/digit
47,48,49, 50,52,53, 54,55	S16 to S23	I/O	• Output for VFD display controller segment/digit • Other functions: High voltage input port: PC0 to PC7
56,57,58, 59,60,61, 62,63	S24 to S31	I/O	• Output for VFD display controller segment • Other functions: High voltage input port: PD0 to PD7
64,65,66, 67,68,69, 70,71	S32 to S39	I/O	• Output for VFD display controller segment • Other functions: High voltage input port: PE0 to PE7
73,74,75, 76,77,78, 79,80	S40 to S47	I/O	• Output for VFD display controller segment • Other functions: High voltage input/output port: PF0 to PF7
81*,82*, 83,84*	S48 to S51	I/O	• Output for VFD display controller segment • Other functions: High voltage input/output port: PG0 to PG7
11	RES	I	Reset terminal
12	XT1	I	• Input for 32.768kHz crystal oscillation • Other functions: General purpose input port When not in use, connect to VDD1. AD input port: AN10
13	XT2	I/O	• Output for 32.768kHz crystal oscillation • Other functions: General purpose input/output port When not in use, set to oscillation mode and leave open circuit. AD input port: AN11
15	CF1	I	Input terminal for ceramic oscillator
16	CF2	O	Output terminal for ceramic oscillator

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

Note1:) The LC876700 series can be mounted onto the circuit board of the LC 876500, LC876600 series.
In this case, the fluorescent character display tube power voltage (minus voltage) is supplied to the FIX0 pin. This would not cause any error.

IC701 RH-iXA009SJZZ: System Microcomputer (IXA009SJ)

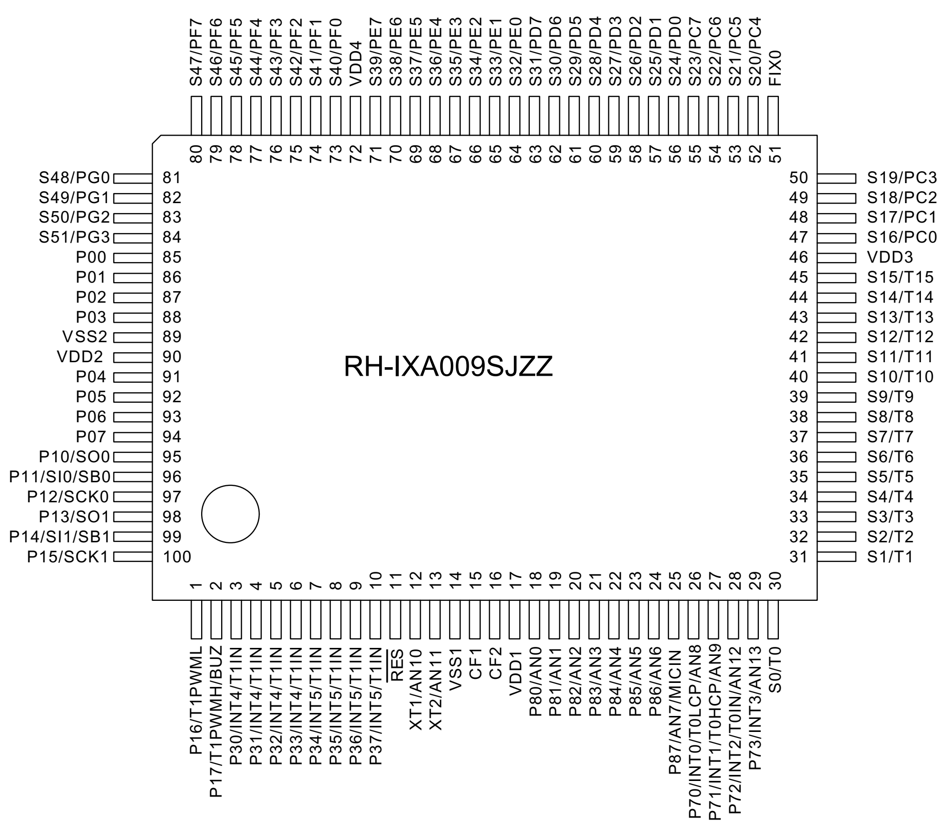


Figure 2 BLOCK DIAGRAM OF IC

IC702 VHiAT24C04/-1:EEPROM (AT24C04)

Pin No.	Terminal Name	Function
1*,2*,3*	A0-A2	Address Inputs
4	GND	Ground
5	SDA	Serial Data
6	SCL	Serial Clock Input
7*	WP	Write Protect
8	VCC	Power

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

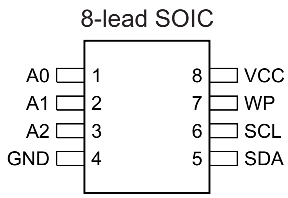
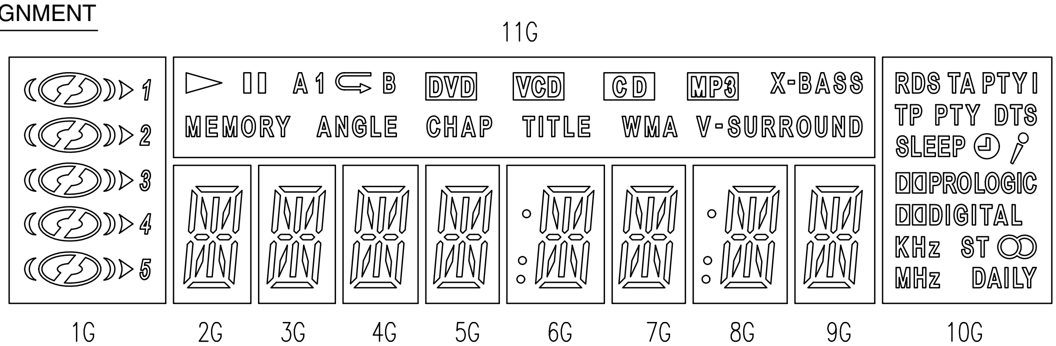


Figure 3 BLOCK DIAGRAM OF IC

[2] FL DISPLAY

VFD701 VVK251116//-1

GRID ASSIGNMENT

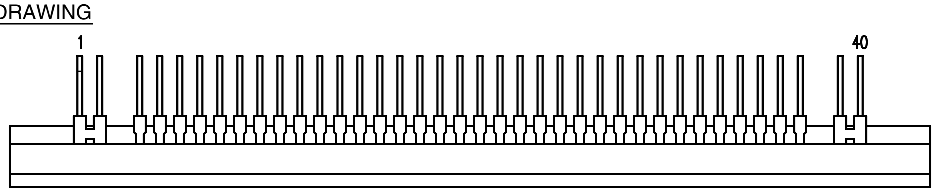




ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G
P1	S1–1										
P2	S1–2										
P3	S1–3										▷
P4	1										X-BASS
P5	S2–1					Dp		Dp		RDS	MEMORY
P6	S2–2					col		col		TA	ANGLE
P7	S2–3	a	a	a	a	a	a	a	a	PTY I	CHAP
P8	2	f	f	f	f	f	f	f	f	TP	TITLE
P9	S3–1	h	h	h	h	h	h	h	h	PTY	WMA
P10	S3–2	j	j	j	j	j	j	j	j	DTS	V-
P11	S3–3	k	k	k	k	k	k	k	k	SLEEP	SURROUND
P12	3	b	b	b	b	b	b	b	b	(clock)	MP3
P13	S4–1	g	g	g	g	g	g	g	g	(mic)	CD
P14	S4–2	m	m	m	m	m	m	m	m	DIGITAL	VCD
P15	S4–3	e	e	e	e	e	e	e	e	PROLOGIC	DVD
P16	4	n	n	n	n	n	n	n	n	KHz	B
P17	S5–1	p	p	p	p	p	p	p	p	ST	(repeat arrow)
P18	S5–2	r	r	r	r	r	r	r	r	(stereo)	A
P19	S5–3	c	c	c	c	c	c	c	c	MHz	1
P20	5	d	d	d	d	d	d	d	d	DAILY	II

OUTER DRAWING



PIN CONNECTION

PIN NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CONNECTION	F	F	NP	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	NC	NC	NC	P1	P2	P3
PIN NO.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CONNECTION	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	NP	F	F

-MEMO-

SHARP PARTS GUIDE

DVD MICRO SYSTEM

MODEL XL-DV60

XL-DV60 DVD Micro System consisting of XL-DV60 (main unit), CP-DV60F (front speakers) and CP-DV60SW(sub-woofer).

CONTENTS

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[1] INTEGRATED CIRCUITS					
IC101	VHiLM4781TA-1	AZ	N		Power Amp.,LM4781TA
IC201	VHiKiA7805APi	AF			Voltage Regulator,KIA7805API
IC202	VHiKiA7812APi	AE			Voltage Regulator,KIA7812API
IC203	VHiLM2576T/-1	AR			Voltage Regulator,LM2576T
IC204	VHiAN78L05/-1	AE			Constant Voltage Regulator,AN78L05
IC301	VHiTA7358AP-1	AG			FM Front End,TA7358AP
IC302	VHiLC72131/-1	AP			PLL (Tuner),LC72131
IC303	VHiLA1832S/-1	AN			FM IF Det./FM Mpx./AM IF,LA1832S
IC601	VHiLC75341M-1	AM			Signal Control,LC75341M
IC602	VHiNJM4558D-1	AH			Buffer Amp.,NJM4558D or AN4558
IC603	VHiLC75341M-1	AM			Signal Control,LC75341M
IC701	RH-iXA009SJZZ	AV			System Microcomputer,IXA009SJ
IC702	VHiAT24C04/-1	AH			EEPROM,AT24C04
[2] TRANSISTORS					
Q101	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q102	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q107	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052F+
Q108	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052F+
Q109	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q110	VSKRA107M//-1	AE			Digital,PNP,KRA107 M
Q111	VSKRC107M//-1	AC			Digital,NPN,KRC107 M
Q112	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q113	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q114	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q115	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q116	VSKRC107M//-1	AC			Digital,NPN,KRC107 M
Q117	VS2SB562-C/-1	AD			Silicon,PNP,2SB562 C
Q118	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q201	VS2HA1015GR-1	AB			Silicon,PNP,2HA1015 GR
Q202	VS2SC535-C/-1	AC			Silicon,NPN,2SC535 C
Q203	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q204	VS2HA1015GR-1	AB			Silicon,PNP,2HA1015 GR
Q205	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q206	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q207	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052F+
Q208	VS2SA1235F+-1	AD			Silicon,PNP,2SA1235F+
Q213	VS2SB562-C/-1	AD			Silicon,PNP,2SB562 C
Q214	VS2SC3052F+-1	AD			Silicon,NPN,2SC3052F+
Q302	VS2SC535-C/-1	AC			Silicon,NPN,2SC535 C
Q306	VS2SC535-C/-1	AC			Silicon,NPN,2SC535 C
Q351	VSKRC104M//-1	AC			Digital,NPN,KRC104 M
Q360	VS2HA1015GR-1	AB			Silicon,PNP,2HA1015 GR
Q502	VSKRC102M//-1	AC			Digital,NPN,KRC102 M
Q503	VS2SB562-C/-1	AD			Silicon,PNP,2SB562 C
Q504	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q505	VSKTA1271Y/-1	AC			Silicon,PNP,KTA1271 Y
Q506	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q507	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q508	VSKTA1271Y/-1	AC			Silicon,PNP,KTA1271 Y
Q509	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q511	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q702	VSKRC102M//-1	AC			Digital,NPN,KRC102 M
Q703	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q704	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
Q705	VS2HC1815GR-1	AB			Silicon,NPN,2HC1815 GR
[3] DIODES					
D104	VHD1N4148//-1	AA			Silicon,1N4148
D105	VHD1N4148//-1	AA			Silicon,1N4148
D106	VHD1N4148//-1	AA			Silicon,1N4148
D107	VHD1N4004//-1	AB			Silicon,1N4004
D108	VHD1N4148//-1	AA			Silicon,1N4148
D109	VHD1N4004//-1	AB			Silicon,1N4004
D110	VHD1N4004//-1	AB			Silicon,1N4004
D111	VHD1N4004//-1	AB			Silicon,1N4004
D112	VHD1N4004//-1	AB			Silicon,1N4004
D201	VHDTS6B04GM-1	AP			Silicon,TS6B04GM-1
D202	VHD1N4148//-1	AA			Silicon,1N4148
D205	VHDKBP304GM-1	AF			Silicon,KBP304GM-1
D209	VHD1N4004//-1	AB			Silicon,1N4004
D210	VHD1N4004//-1	AB			Silicon,1N4004
D211	VHD1N4004//-1	AB			Silicon,1N4004
D212	VHD1N4004//-1	AB			Silicon,1N4004
D213	VHD1N4004//-1	AB			Silicon,1N4004
⚠ D214	VHD1N4004//-1	AB			Silicon,1N4004
⚠ D215	VHD1N4004//-1	AB			Silicon,1N4004
⚠ D216	VHD1N4004//-1	AB			Silicon,1N4004
⚠ D217	VHD1N4004//-1	AB			Silicon,1N4004
D218	VHD1N4004//-1	AB			Silicon,1N4004
D219	VHD1N4004//-1	AB			Silicon,1N4004
D231	VHD1N5822//-1	AD			Silicon,1N5822
D232	VHD1N4004//-1	AB			Silicon,1N4004
D301	VHD1N4148//-1	AA			Silicon,1N4148
D302	VHD1N4148//-1	AA			Silicon,1N4148

[3] DIODES

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
D305	VHD1N4148//-1	AA			Silicon,1N4148
D306	VHD1N4148//-1	AA			Silicon,1N4148
D307	VHD1N4148//-1	AA			Silicon,1N4148
D308	VHD1N4148//-1	AA			Silicon,1N4148
D604	VHD1N4148//-1	AA			Silicon,1N4148
D605	VHD1N4148//-1	AA			Silicon,1N4148
D701	VHD1N4004//-1	AB			Silicon,1N4004
D702	VHD1N4148//-1	AA			Silicon,1N4148
D703	VHD1N4148//-1	AA			Silicon,1N4148
D704	VHD1N4148//-1	AA			Silicon,1N4148
D705	VHD1N4148//-1	AA			Silicon,1N4148
D706	VHD1N4004//-1	AB			Silicon,1N4004
D708	VHD1N4004//-1	AB			Silicon,1N4004
D709	VHD1N4148//-1	AA			Silicon,1N4148
D710	VHD1N4148//-1	AA			Silicon,1N4148
D712	VHD1N4148//-1	AA			Silicon,1N4148
D713	VHD1N4148//-1	AA			Silicon,1N4148
LED701	VHPLP3052A+-1	AC			LED,Red,LP3052A+
VD301	VHCSVC348S/-1	AK			Variable Capacitance,SVC348S
VD302	VHCKDV147B/-1	AH			Variable Capacitance,KDV147B
VD303	VHCKDV147B/-1	AH			Variable Capacitance,KDV147B
ZD101	VHEDZH06B2+-1	AB			Zener,6.2V,DZH06B2+
ZD201	VHEDZH3001+-1	AB			Zener,30V,DZH3001+
ZD202	VHEDZH06C2+-1	AB			Zener,6.2V,DZH06C2+
ZD351	VHEDZH05C2+-1	AB			Zener,5.1V,DZH05C2+
ZD701	VHEDZH03C3+-1	AB			Zener,3.3V,DZH03C3+

[4] FILTERS

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
BF301	RFiLRA001SJZZ	AD			Band Pass Filter
CF302	RFiLF0004SJZZ	AG			FM IF,10.7 MHz
CF303	RFiLF0004SJZZ	AG			FM IF,10.7 MHz
CF351	RFiLF0003AWZZ	AK			FM IF
CF352	RFiLA0003SJZZ	AF			AM IF

[5] TRANSFORMERS

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
⚠ T201	RTRNPA036SJZZ		N		Power (Main)
⚠ T202	RTRNP0056SJZZ	AM			Power (Sub)
T302	RCiLAA002SJZZ	AC			AM Antenna
T304	RCiLi0005SJZZ	AF			FM IF
T306	RCiLBA006SJZZ	AC			AM OSC.
T351	RCiLi0004SJZZ	AF			AM IF

[6] COILS

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
L103	VP-DH100K0000	AB			10 μ H,Choke
L105	VP-DH2R2K0000	AB			2.2 μ H,Peaking
L206	RCiLCA001SJZZ	AD			100 μ H
L302	RCiLR0003SJZZ	AD			FM RF
L303	RCiLB0016SJZZ	AD			FM OSC.
L351	VP-DH101K0000	AB			100 μ H,Choke
L352	VP-DH101K0000	AB			100 μ H,Choke
L353	VP-DH102K0000	AB			1 mH,Choke
L502	VP-DHR82K0000	AE			0.82 μ H,Choke
L503	VP-DHR82K0000	AE			0.82 μ H,Choke
L601	VP-DH2R2K0000	AB			2.2 μ H,Peaking
L701	VP-DHR82K0000	AE			0.82 μ H,Choke
L702	RCiLCA003SJZZ	AB			2.4 μ H,Choke
L703	VP-DHR82K0000	AE			0.82 μ H,Choke
L704	VP-DHR82K0000	AE			0.82 μ H,Choke
L705	VP-DHR82K0000	AE			0.82 μ H,Choke
L707	VP-DHR82K0000	AE			0.82 μ H,Choke
L708	VP-DHR82K0000	AE			0.82 μ H,Choke
L901	RCiLCA002SJZZ	AB			10 μ H
L902	RBLN-A001SJZZ	AB			Ferrite Bead,120 ohms
L903	RBLN-A001SJZZ	AB			Ferrite Bead,120 ohms
L904	RBLN-A001SJZZ	AB			Ferrite Bead,120 ohms
L905	RBLN-A001SJZZ	AB			Ferrite Bead,120 ohms
L906	RBLN-A001SJZZ	AB			Ferrite Bead,120 ohms
L907	RBLN-A001SJZZ	AB			Ferrite Bead,120 ohms
⚠ LF201	RCiLZ0005SJZZ	AF			Line Filter

[7] VARIABLE RESISTORS

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
VR351	RVR-M0026AWZZ	AC			10 kohm (B),Semi-VR [FM Mute Level]

[8] VIBRATORS

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
X351	RCRM-0007SJZZ	AG			VCO,456 kHz
X352	RCRSP0003SJZZ	AL			Crystal,4.5 MHz
X701	RCRSPA007SJZZ	AE			Crystal,32.768 kHz
X702	RCRM-0008SJZZ	AG			Ceramic,8 MHz

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CAPACITORS					
C101	VCKYCY1HB221K	AA			220 pF,50V
C102	VCKYCY1HB221K	AA			220 pF,50V
C104	RC-GZA105AF1H	AB			1 µ F,50V,Electrolytic
C105	RC-GZA105AF1H	AB			1 µ F,50V,Electrolytic
C106	RC-GZA106AF1H	AB			10 µ F,50V,Electrolytic
C107	RC-GZA476AF1H	AB			47 µ F,50V,Electrolytic
C108	RC-GZA476AF1H	AB			47 µ F,50V,Electrolytic
C109	RC-GZA335AF1H	AB			3.3 µ F,50V,Electrolytic
C119	VCKYCY1HF223Z	AA			0.022 µ F,50V
C120	VCKYCY1HF223Z	AA			0.022 µ F,50V
C121	VCKYCY1HF223Z	AA			0.022 µ F,50V
C122	VCKYPA1HF223Z	AB			0.022 µ F,50V
C123	VCKYPA1HF223Z	AB			0.022 µ F,50V
C124	VCKYCY1HF223Z	AA			0.022 µ F,50V
C125	VCFYFA1HA104J	AC			0.1 µ F,50V,Thin Film
C126	VCKYCY1HB104K	AD			0.1 µ F,50V
C127	VCFYFA1HA104J	AC			0.1 µ F,50V,Thin Film
C128	VCFYFA1HA104J	AC			0.1 µ F,50V,Thin Film
C129	VCKYCY1HB104K	AD			0.1 µ F,50V
C130	VCFYFA1HA104J	AC			0.1 µ F,50V,Thin Film
C131	VCKYPA1HB472K	AB			0.0047 µ F,50V
C132	VCKYPA1HB472K	AB			0.0047 µ F,50V
C133	VCKYPA1HB472K	AB			0.0047 µ F,50V
C134	RC-GZA336AF1C	AB			33 µ F,16V,Electrolytic
C135	RC-GZA106AF1H	AB			10 µ F,50V,Electrolytic
C136	RC-GZA106AF1H	AB			10 µ F,50V,Electrolytic
C137	VCKYPA1HB104K	AC			0.1 µ F,50V
C138	VCKYPA1HB104K	AC			0.1 µ F,50V
C139	RC-GZA476AF1H	AB			47 µ F,50V,Electrolytic
C140	VCKYCY1HB222K	AA			0.0022 µ F,50V
C141	RC-GZA335AF1C	AB			3.3 µ F,16V,Electrolytic
C142	RC-GZA476AF1C	AB			47 µ F,16V,Electrolytic
C160	VCKYCY1CF105Z	AB			1 µ F,16V
C161	VCKYCY1CF105Z	AB			1 µ F,16V
C165	VCKYCY1HB472K	AA			0.0047 µ F,50V
C167	VCKYCY1HB472K	AA			0.0047 µ F,50V
C169	VCKYCY1HB472K	AA			0.0047 µ F,50V
C171	VCKYCY1HB221K	AA			220 pF,50V
C201	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C202	VCKYPA1HF223Z	AB			0.022 µ F,50V
C203	VCFYFA1HA104J	AC			0.1 µ F,50V,Thin Film
C204	VCFYFA1HA104J	AC			0.1 µ F,50V,Thin Film
C205	VCFYFA1HA104J	AC			0.1 µ F,50V,Thin Film
C206	VCFYFA1HA104J	AC			0.1 µ F,50V,Thin Film
C207	RC-GZV227AF1H	AC			220 µ F,50V,Electrolytic
C208	RC-GZA476AF1H	AB			47 µ F,50V,Electrolytic
C209	RC-GZV337AF1V	AB			330 µ F,35V,Electrolytic
C210	RC-GZA107AF1H	AC			100 µ F,50V,Electrolytic
C211	RC-GZW478AF1V	AH			4700 µ F,35V,Electrolytic
C212	RC-GZW478AF1V	AH			4700 µ F,35V,Electrolytic
C213	VCKYPA1HF473Z	AB			0.047 µ F,50V
C214	RC-EZW688AF1E	AH			6800 µ F,25V,Electrolytic
C215	VCKYPA1HF473Z	AB			0.047 µ F,50V
C216	RC-GZA227AF1C	AB			220 µ F,16V,Electrolytic
C217	RC-GZA477AF1C	AC			470 µ F,16V,Electrolytic
C219	VCKYCY1HF223Z	AA			0.022 µ F,50V
C220	RC-GZA227AF1E	AB			220 µ F,25V,Electrolytic
C221	VCKYCY1HB473K	AB			0.047 µ F,50V
C222	RC-GZA476AF1E	AB			47 µ F,25V,Electrolytic
C223	RC-GZA476AF1C	AB			47 µ F,16V,Electrolytic
C224	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C225	RC-GZA107AF1H	AC			100 µ F,50V,Electrolytic
C226	RC-GZA107AF1H	AC			100 µ F,50V,Electrolytic
C227	RC-GZV228AF1C	AG			2200 µ F,16V,Electrolytic
C228	VCFYFA1HA473J	AB			0.047 µ F,50V,Thin Film
C229	VCFYFA1HA473J	AB			0.047 µ F,50V,Thin Film
C230	RC-GZA476AF1E	AB			47 µ F,25V,Electrolytic
C236	RC-EZW688AF1E	AH			6800 µ F,25V,Electrolytic
C237	RC-GZW228AF1V	AF			2200 µ F,35V,Electrolytic
C245	RC-GZA477AF1C	AC			470 µ F,16V,Electrolytic
C301	VCKYCY1EF123Z	AA			0.012 µ F,25V
C302	VCKYCY1HB102K	AA			0.001 µ F,50V
C303	VCKYCY1HB102K	AA			0.001 µ F,50V
C304	VCKYCY1EF103Z	AA			0.01 µ F,25V
C305	VCKYCY1HB472K	AA			0.0047 µ F,50V
C306	VCCUCY1HJ9R0D	AB			9 pF (UJ),50V
C307	VCKYCY1HB472K	AA			0.0047 µ F,50V
C308	VCKYCY1EF223Z	AB			0.022 µ F,25V
C309	VCKYCY1HB102K	AA			0.001 µ F,50V
C311	VCCCPA1HH100J	AA			10 pF (CH),50V
C312	VCCSCY1HL330J	AD			33 pF,50V
C313	VCCUCY1HJ6R0D	AB			6 pF (UJ),50V
C314	VCCCCY1HH220J	AA			22 pF (CH),50V
C315	VCKYCY1HB101K	AB			100 pF,50V
C316	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic

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[9] CAPACITORS					
C317	VCKYCY1EF223Z	AB			0.022 μ F,25V
C318	VCCSCY1HL5R0C	AD			5 pF,50V
C319	VCCCCY1HH180J	AA			18 pF (CH),50V
C321	VCKYCY1HB332K	AA			0.0033 μ F,50V
C329	VCKYCY1EF223Z	AB			0.022 μ F,25V
C330	VCCCPA1HH120J	AA			12 pF (CH),50V
C331	VCKYCY1EF473Z	AB			0.047 μ F,25V
C332	VCKYPA1HF223Z	AB			0.022 μ F,50V
C334	VCCUPA1HJ270J	AA			27 pF (UJ),50V
C335	VCKYCY1HB561K	AA			560 pF,50V
C337	VCKYPA1HF223Z	AB			0.022 μ F,50V
C343	VCCSCY1HL330J	AD			33 pF,50V
C344	VCCSCY1HL330J	AD			33 pF,50V
C349	VCKYCY1HB102K	AA			0.001 μ F,50V
C350	VCKYCY1EF223Z	AB			0.022 μ F,25V
C351	VCKYCY1EF223Z	AB			0.022 μ F,25V
C352	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C353	VCKYCY1EF223Z	AB			0.022 μ F,25V
C354	VCKYCY1EF223Z	AB			0.022 μ F,25V
C355	VCCSCY1HL220J	AD			22 pF,50V
C356	VCKYCY1HB102K	AA			0.001 μ F,50V
C357	RC-GZA225AF1H	AB			2.2 μ F,50V,Electrolytic
C358	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C360	VCKYCY1EF223Z	AB			0.022 μ F,25V
C361	VCKYCY1EF223Z	AB			0.022 μ F,25V
C362	RC-GZA335AF1H	AB			3.3 μ F,50V,Electrolytic
C363	VCKYCY1EF223Z	AB			0.022 μ F,25V
C364	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C365	VCKYCY1EF223Z	AB			0.022 μ F,25V
C366	VCKYCY1HB102K	AA			0.001 μ F,50V
C367	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C368	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C369	VCCSCY1HL560J	AD			56 pF,50V
C370	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C371	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C372	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C373	VCTYPA1CX223K	AA			0.022 μ F,16V
C374	VCTYPA1CX223K	AA			0.022 μ F,16V
C378	VCKYPA1HB331K	AA			330 pF,50V
C380	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C381	VCCCCY1HH120J	AA			12 pF (CH),50V
C382	VCCCCY1HH150J	AA			15 pF (CH),50V
C383	VCKYCY1EF223Z	AB			0.022 μ F,25V
C384	VCKYCY1HB102K	AA			0.001 μ F,50V
C385	VCKYPA1HF103Z	AB			0.01 μ F,50V
C386	VCKYPA1HB331K	AA			330 pF,50V
C387	VCKYCY1EF223Z	AB			0.022 μ F,25V
C388	VCKYCY1HB104K	AD			0.1 μ F,50V
C391	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C392	VCKYCY1HB102K	AA			0.001 μ F,50V
C393	RC-GZA105AF1H	AB			1 μ F,50V,Electrolytic
C394	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C395	VCKYCY1EF223Z	AB			0.022 μ F,25V
C396	RC-GZA107AF1A	AB			100 μ F,10V,Electrolytic
C397	VCKYCY1EF223Z	AB			0.022 μ F,25V
C398	RC-GZA107AF1A	AB			100 μ F,10V,Electrolytic
C399	VCKYPA1HF223Z	AB			0.022 μ F,50V
C506	RC-EZD476AF1C	AC			47 μ F,16V,Electrolytic
C515	VCKYCY1HF223Z	AA			0.022 μ F,50V
C601	RC-GZA105AF1C	AB			1 μ F,16V,Electrolytic
C602	RC-GZA105AF1C	AB			1 μ F,16V,Electrolytic
C604	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C605	RC-GZA105AF1C	AB			1 μ F,16V,Electrolytic
C606	RC-GZA105AF1C	AB			1 μ F,16V,Electrolytic
C607	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C608	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C609	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C610	RC-GZA106AF1C	AB			10 μ F,16V,Electrolytic
C611	VCKYPA1HB272K	AA			0.0027 μ F,50V
C612	VCKYPA1HB272K	AA			0.0027 μ F,50V
C613	RC-QZA104AFYJ	AC			0.1 μ F,50V,Mylar
C614	RC-QZA104AFYJ	AC			0.1 μ F,50V,Mylar
C615	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C616	RC-GZA476AF1C	AB			47 μ F,16V,Electrolytic
C617	RC-GZA336AF1C	AB			33 μ F,16V,Electrolytic
C618	RC-GZA107AF1C	AB			100 μ F,16V,Electrolytic
C619	VCKYCY1HB221K	AA			220 pF,50V
C620	VCKYCY1HB221K	AA			220 pF,50V
C621	VCKYCY1HB221K	AA			220 pF,50V
C622	VCKYCY1HB104K	AD			0.1 μ F,50V
C623	VCKYCY1HB104K	AD			0.1 μ F,50V
C624	RC-GZA105AF1C	AB			1 μ F,16V,Electrolytic
C625	RC-GZA105AF1C	AB			1 μ F,16V,Electrolytic
C631	VCQYKA1JM274J	AC			0.27 μ F,63V,Mylar
C632	VCKYPA1HB272K	AA			0.0027 μ F,50V

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[9] CAPACITORS					
C633	VCKYPA1HB272K	AA			0.0027 µ F,50V
C634	VCKYCY1HB272K	AA			0.0027 µ F,50V
C635	VCQYKA1JM274J	AC			0.27 µ F,63V,Mylar
C637	VCFYSA1HM474J		N		0.47 µ F,50V
C638	VCFYSA1HM474J		N		0.47 µ F,50V
C639	RC-GZA476AF1E	AB			47 µ F,25V,Electrolytic
C640	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C652	RC-GZA226AF1C	AB			22 µ F,16V,Electrolytic
C656	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C657	VCKYCY1EF473Z	AB			0.047 µ F,25V
C661	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C662	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C663	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C664	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C666	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C667	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C668	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C669	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C670	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C671	RC-GZA336AF1C	AB			33 µ F,16V,Electrolytic
C674	RC-QZA104AFYJ	AC			0.1 µ F,50V,Mylar
C676	RC-QZA104AFYJ	AC			0.1 µ F,50V,Mylar
C678	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C681	VCKYCY1HB221K	AA			220 pF,50V
C682	VCKYPA1HB221K	AA			220 pF,50V
C683	VCKYCY1HB221K	AA			220 pF,50V
C693	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C694	RC-QZA104AFYJ	AC			0.1 µ F,50V,Mylar
C695	RC-QZA104AFYJ	AC			0.1 µ F,50V,Mylar
C696	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C697	VCFYSA1HM474J		N		0.47 µ F,50V
C698	VCFYSA1HM474J		N		0.47 µ F,50V
C701	VCKYCY1EB104K	AD			0.1 µ F,25V
C702	VCKYCY1EB104K	AD			0.1 µ F,25V
C703	VCCCCY1HH240J	AA			24 pF (CH),50V
C704	VCCCCY1HH240J	AA			24 pF (CH),50V
C705	VCKYCY1EB104K	AD			0.1 µ F,25V
C706	RC-EZD227AF1A	AC			220 µ F,10V,Electrolytic
C707	VCKYCY1EF104Z	AA			0.1 µ F,25V
C708	VCKYCY1HB101K	AB			100 pF,50V
C709	RC-EZD107AF1A	AB			100 µ F,10V,Electrolytic
C710	VCKYCY1HF473Z	AB			0.047 µ F,50V
C711	VCKYCY1EB104K	AD			0.1 µ F,25V
C712	RC-EZD336AF1C	AB			33 µ F,16V,Electrolytic
C713	VCKYCY1HF103Z	AB			0.01 µ F,50V
C714	VCKYCY1HB102K	AA			0.001 µ F,50V
C715	VCKYCY1HB102K	AA			0.001 µ F,50V
C716	RC-EZD476AF1C	AC			47 µ F,16V,Electrolytic
C720	VCKYPA1HB104K	AC			0.1 µ F,50V
C902	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C903	VCKYCY1CB104K	AB			0.1 µ F,16V
[10] RESISTORS					
R104	VRD-ST2CD103J	AA			10 kohm,1/6W
R105	VRS-CY1JB103J	AA			10 kohm,1/16W
R107	VRS-CY1JB102J	AA			1 kohm,1/16W
R108	VRS-CY1JB102J	AA			1 kohm,1/16W
R110	VRS-CY1JB102J	AA			1 kohm,1/16W
R111	VRD-ST2EE102J	AA			1 kohm,1/4W
R112	VRS-CY1JB102J	AA			1 kohm,1/16W
R113	VRD-ST2CD102J	AA			1 kohm,1/6W
R114	VRD-ST2CD102J	AA			1 kohm,1/6W
R115	VRD-ST2CD102J	AA			1 kohm,1/6W
R116	VRS-CY1JB393J	AA			39 kohms,1/16W
R117	VRS-CY1JB393J	AA			39 kohms,1/16W
R118	VRS-CY1JB393J	AA			39 kohms,1/16W
R119	VRD-ST2EE472J	AA			4.7 kohms,1/4W
R122	VRS-CY1JB183J	AA			18 kohms,1/16W
R123	VRS-CY1JB183J	AA			18 kohms,1/16W
R124	VRS-CY1JB333J	AA			33 kohms,1/16W
R134	VRD-ST2EE6R8J	AA			6.8 ohms,1/4W
R135	VRD-ST2EE6R8J	AA			6.8 ohms,1/4W
R136	VRD-ST2EE6R8J	AA			6.8 ohms,1/4W
R137	VRS-CY1JB563J	AA			56 kohms,1/16W
R138	VRS-CY1JB563J	AA			56 kohms,1/16W
R139	VRS-CY1JB563J	AA			56 kohms,1/16W
R140	VRD-ST2CD104J	AA			100 kohm,1/6W
R141	VRS-CY1JB104J	AA			100 kohm,1/16W
R142	VRD-ST2CD104J	AA			100 kohm,1/6W
R143	VRD-ST2EE4R7J	AA			4.7 ohms,1/4W
R144	VRS-CY1JB4R7J	AA			4.7 ohms,1/16W
R145	VRD-ST2EE4R7J	AA			4.7 ohms,1/4W
R146	VRD-ST2EE221J	AA			220 ohms,1/4W
R147	VRD-ST2EE221J	AA			220 ohms,1/4W
R149	VRD-ST2EE471J	AA			470 ohms,1/4W

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[10] RESISTORS					
R150	VRD-ST2EE471J	AA			470 ohms,1/4W
R151	VRS-CY1JB471J	AA			470 ohms,1/16W
R154	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R155	VRD-ST2EE332J	AA			3.3 kohms,1/4W
R156	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R157	VRS-CY1JB183J	AA			18 kohms,1/16W
R158	VRD-ST2CD103J	AA			10 kohm,1/6W
R159	VRD-ST2EE473J	AA			47 kohms,1/4W
R160	VRD-ST2CD221J	AA			220 ohms,1/6W
R161	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R162	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R163	VRS-CY1JB473J	AA			47 kohms,1/16W
R172	VRS-CY1JB102J	AA			1 kohm,1/16W
R175	VRS-CY1JB103J	AA			10 kohm,1/16W
R201	VRS-CY1JB123J	AA			12 kohms,1/16W
R202	VRD-ST2CD223J	AA			22 kohms,1/6W
R203	VRD-ST2EE100J	AA			10 ohm,1/4W
R204	VRD-ST2CD473J	AA			47 kohms,1/6W
R205	VRD-ST2CD123J	AA			12 kohms,1/6W
R206	VRD-ST2CD331J	AA			330 ohms,1/6W
R207	VRD-ST2CD331J	AA			330 ohms,1/6W
R209	VRD-ST2CD223J	AA			22 kohms,1/6W
R210	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R211	VRS-CY1JB103J	AA			10 kohm,1/16W
R212	VRS-CY1JB223J	AA			22 kohms,1/16W
R213	VRS-CY1JB474J	AA			470 kohms,1/16W
R214	VRD-RT2HD300J	AA			30 ohms,1/2W
R215	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R216	VRS-CY1JB273J	AA			27 kohms,1/16W
R217	VRS-CY1JB103J	AA			10 kohm,1/16W
R218	VRS-CY1JB473J	AA			47 kohms,1/16W
R219	VRS-CY1JB103J	AA			10 kohm,1/16W
R220	VRS-CY1JB102J	AA			1 kohm,1/16W
R221	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R223	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R224	VRD-ST2CD121J	AA			120 ohms,1/6W
R228	VRS-CY1JB474J	AA			470 kohms,1/16W
R232	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R233	VRD-ST2CD103J	AA			10 kohm,1/6W
R234	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R241	VRS-CY1JB103J	AA			10 kohm,1/16W
R245	VRS-CY1JB104J	AA			100 kohm,1/16W
R246	VRD-ST2CD103J	AA			10 kohm,1/6W
R247	VRD-ST2EE122J	AA			1.2 kohms,1/4W
R301	VRD-ST2EE220J	AA			22 ohms,1/4W
R302	VRS-CY1JB104J	AA			100 kohm,1/16W
R303	VRD-ST2CD333J	AA			33 kohms,1/6W
R304	VRS-CY1JB473J	AA			47 kohms,1/16W
R305	VRS-CY1JB681J	AA			680 ohms,1/16W
R306	VRS-CY1JB330J	AA			33 ohms,1/16W
R307	VRD-ST2EE470J	AA			47 ohms,1/4W
R308	VRS-CY1JB103J	AA			10 kohm,1/16W
R309	VRD-ST2EE471J	AA			470 ohms,1/4W
R310	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R312	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R313	VRS-CY1JB681J	AA			680 ohms,1/16W
R314	VRS-CY1JB330J	AA			33 ohms,1/16W
R315	VRS-CY1JB330J	AA			33 ohms,1/16W
R316	VRS-CY1JB331J	AA			330 ohms,1/16W
R323	VRS-CY1JB683J	AA			68 kohms,1/16W
R336	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R350	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R351	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R352	VRS-CY1JB102J	AA			1 kohm,1/16W
R353	VRS-CY1JB271J	AA			270 ohms,1/16W
R355	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R356	VRS-CY1JB102J	AA			1 kohm,1/16W
R357	VRS-CY1JB474J	AA			470 kohms,1/16W
R358	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R359	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R360	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R361	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R362	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R365	VRS-CY1JB103J	AA			10 kohm,1/16W
R366	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R371	VRS-CY1JB102J	AA			1 kohm,1/16W
R372	VRS-CY1JB102J	AA			1 kohm,1/16W
R373	VRS-CY1JB102J	AA			1 kohm,1/16W
R374	VRS-CY1JB102J	AA			1 kohm,1/16W
R376	VRD-ST2CD103J	AA			10 kohm,1/6W
R377	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R379	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R380	VRD-ST2CD152J	AA			1.5 kohms,1/6W
R381	VRS-CY1JB103J	AA			10 kohm,1/16W
R382	VRD-ST2EE331J	AA			330 ohms,1/4W

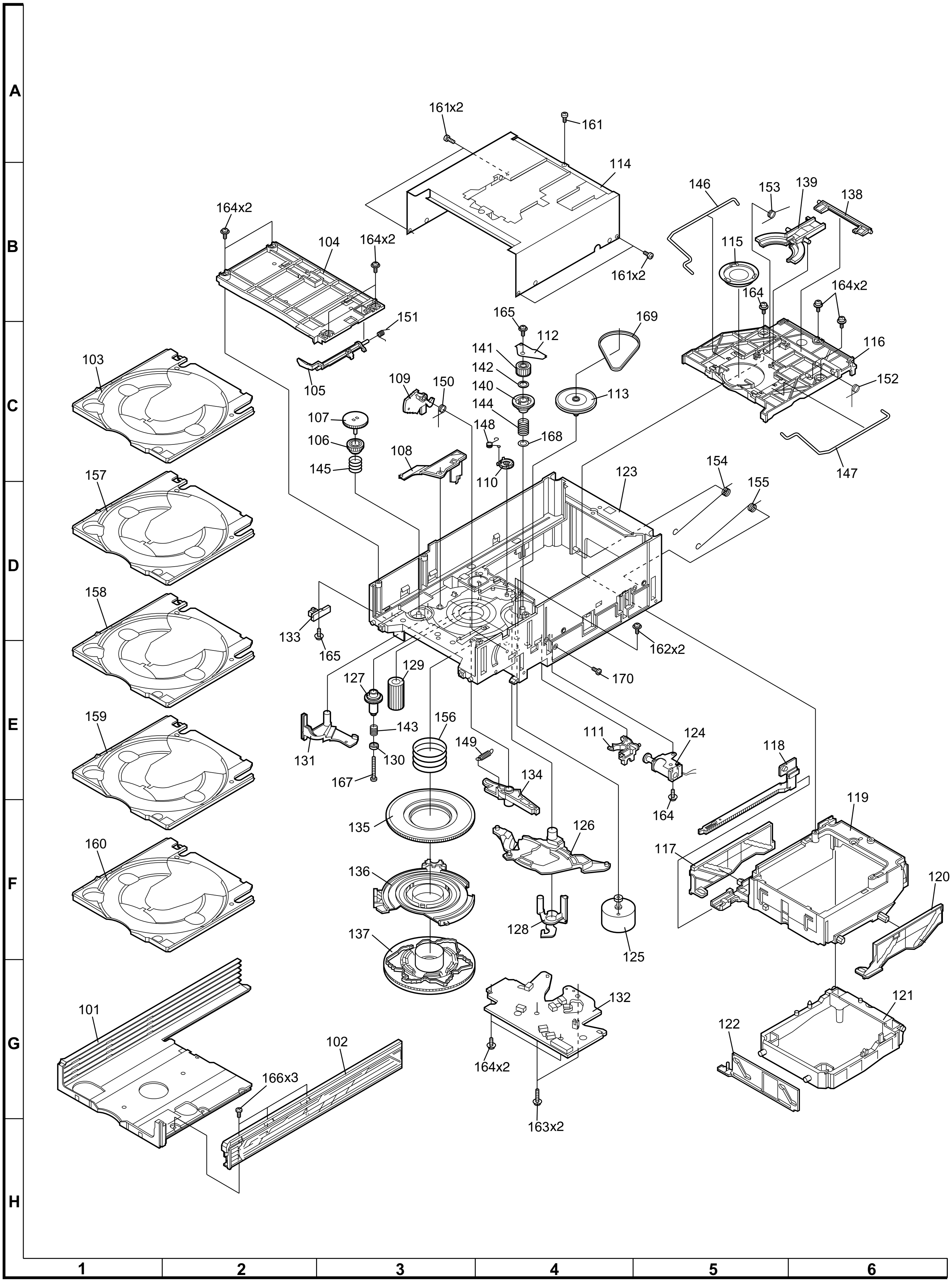
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
R383	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R384	VRD-ST2CD682J	AA			6.8 kohms,1/6W
R385	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R386	VRD-ST2EE331J	AA			330 ohms,1/4W
R387	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R391	VRD-ST2EE391J	AA			390 ohms,1/4W
R392	VRD-ST2EE391J	AA			390 ohms,1/4W
R393	VRS-CY1JB102J	AA			1 kohm,1/16W
R395	VRD-ST2CD473J	AA			47 kohms,1/6W
R399	VRD-ST2EE100J	AA			10 ohm,1/4W
R501A	VRS-CY1JB102J	AA			1 kohm,1/16W
R501B	VRS-CY1JB103J	AA			10 kohm,1/16W
R502A	VRS-CY1JB102J	AA			1 kohm,1/16W
R502B	VRS-CY1JB103J	AA			10 kohm,1/16W
R503A	VRS-CY1JB102J	AA			1 kohm,1/16W
R503B	VRS-CY1JB103J	AA			10 kohm,1/16W
R504A	VRS-CY1JB102J	AA			1 kohm,1/16W
R504B	VRS-CY1JB103J	AA			10 kohm,1/16W
R505A	VRS-CY1JB102J	AA			1 kohm,1/16W
R505B	VRS-CY1JB103J	AA			10 kohm,1/16W
R506A	VRS-CY1JB102J	AA			1 kohm,1/16W
R506B	VRS-CY1JB103J	AA			10 kohm,1/16W
R507A	VRS-CY1JB102J	AA			1 kohm,1/16W
R507B	VRS-CY1JB103J	AA			10 kohm,1/16W
R508A	VRS-CY1JB102J	AA			1 kohm,1/16W
R508B	VRS-CY1JB103J	AA			10 kohm,1/16W
R509	VRD-ST2CD391J	AA			390 ohms,1/6W
R510	VRS-CY1JB471J	AA			470 ohms,1/16W
R511	VRD-ST2CD223J	AA			22 kohms,1/6W
R512	VRS-CY1JB223J	AA			22 kohms,1/16W
R513	VRS-CY1JB471J	AA			470 ohms,1/16W
R514	VRD-ST2CD391J	AA			390 ohms,1/6W
R516	VRD-ST2EE101J	AA			100 ohm,1/4W
R521	VRS-CY1JB391J	AA			390 ohms,1/16W
R525	VRS-VV3AA271J	AB			270 ohms,1W
R526	VRS-CY1JB563J	AA			56 kohms,1/16W
R601	VRD-ST2CD102J	AA			1 kohm,1/6W
R602	VRD-ST2CD102J	AA			1 kohm,1/6W
R603	VRD-ST2CD102J	AA			1 kohm,1/6W
R604	VRS-CY1JB102J	AA			1 kohm,1/16W
R605	VRS-CY1JB102J	AA			1 kohm,1/16W
R606	VRS-CY1JB102J	AA			1 kohm,1/16W
R607	VRS-CY1JB102J	AA			1 kohm,1/16W
R608	VRD-ST2CD123J	AA			12 kohms,1/6W
R609	VRS-CY1JB473J	AA			47 kohms,1/16W
R610	VRS-CY1JB123J	AA			12 kohms,1/16W
R611	VRS-CY1JB123J	AA			12 kohms,1/16W
R612	VRD-ST2CD392J	AA			3.9 kohms,1/6W
R613	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R614	VRS-CY1JB123J	AA			12 kohms,1/16W
R615	VRD-ST2CD392J	AA			3.9 kohms,1/6W
R616	VRS-CY1JB473J	AA			47 kohms,1/16W
R617	VRS-CY1JB102J	AA			1 kohm,1/16W
R618	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R619	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R620	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R621	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R622	VRS-CY1JB104J	AA			100 kohm,1/16W
R623	VRD-ST2CD104J	AA			100 kohm,1/6W
R624	VRD-ST2CD473J	AA			47 kohms,1/6W
R625	VRD-ST2CD473J	AA			47 kohms,1/6W
R628	VRS-CY1JB102J	AA			1 kohm,1/16W
R629	VRS-CY1JB102J	AA			1 kohm,1/16W
R630	VRD-ST2EE121J	AA			120 ohms,1/4W
R631	VRD-ST2CD122J	AA			1.2 kohms,1/6W
R634	VRD-ST2CD182J	AA			1.8 kohms,1/6W
R635	VRS-CY1JB102J	AA			1 kohm,1/16W
R636	VRD-ST2CD102J	AA			1 kohm,1/6W
R640	VRD-ST2CD223J	AA			22 kohms,1/6W
R641	VRS-CY1JB223J	AA			22 kohms,1/16W
R642	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R643	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R644	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R645	VRD-ST2CD223J	AA			22 kohms,1/6W
R646	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R648	VRD-ST2CD102J	AA			1 kohm,1/6W
R649	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R651	VRD-ST2CD822J	AA			8.2 kohms,1/6W
R655	VRS-CY1JB103J	AA			10 kohm,1/16W
R658	VRD-ST2CD102J	AA			1 kohm,1/6W
R659	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R661	VRD-ST2EE100J	AA			10 ohm,1/4W
R662	VRS-CY1JB223J	AA			22 kohms,1/16W
R663	VRS-CY1JB223J	AA			22 kohms,1/16W
R665	VRS-CY1JB223J	AA			22 kohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
R666	VRS-CY1JB223J	AA			22 kohms,1/16W
R667	VRS-CY1JB223J	AA			22 kohms,1/16W
R675	VRS-CY1JB104J	AA			100 kohm,1/16W
R676	VRD-ST2CD392J	AA			3.9 kohms,1/6W
R677	VRS-CY1JB103J	AA			10 kohm,1/16W
R678	VRD-ST2CD102J	AA			1 kohm,1/6W
R679	VRS-CY1JB102J	AA			1 kohm,1/16W
R680	VRS-CY1JB102J	AA			1 kohm,1/16W
R681	VRD-ST2CD392J	AA			3.9 kohms,1/6W
R682	VRS-CY1JB681J	AA			680 ohms,1/16W
R683	VRS-CY1JB104J	AA			100 kohm,1/16W
R684	VRD-ST2CD681J	AA			680 ohms,1/6W
R685	VRS-CY1JB102J	AA			1 kohm,1/16W
R686	VRD-ST2CD102J	AA			1 kohm,1/6W
R687	VRS-CY1JB223J	AA			22 kohms,1/16W
R688	VRD-ST2CD223J	AA			22 kohms,1/6W
R691	VRS-CY1JB102J	AA			1 kohm,1/16W
R692	VRS-CY1JB103J	AA			10 kohm,1/16W
R694	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R696	VRS-CY1JB102J	AA			1 kohm,1/16W
R701	VRD-ST2CD102J	AA			1 kohm,1/6W
R702	VRS-CY1JB102J	AA			1 kohm,1/16W
R703	VRD-ST2CD102J	AA			1 kohm,1/6W
R704	VRD-ST2CD103J	AA			10 kohm,1/6W
R705	VRD-ST2CD102J	AA			1 kohm,1/6W
R706	VRD-ST2CD102J	AA			1 kohm,1/6W
R707	VRD-ST2CD102J	AA			1 kohm,1/6W
R708	VRS-CY1JB102J	AA			1 kohm,1/16W
R709	VRD-ST2CD102J	AA			1 kohm,1/6W
R710	VRD-ST2CD102J	AA			1 kohm,1/6W
R712	VRS-CY1JB221J	AA			220 ohms,1/16W
R713	VRS-CY1JB102J	AA			1 kohm,1/16W
R714	VRD-ST2CD102J	AA			1 kohm,1/6W
R715	VRD-ST2CD102J	AA			1 kohm,1/6W
R716	VRD-ST2CD103J	AA			10 kohm,1/6W
R718	VRS-CY1JB102J	AA			1 kohm,1/16W
R719	VRS-CY1JB102J	AA			1 kohm,1/16W
R720	VRS-CY1JB102J	AA			1 kohm,1/16W
R721	VRS-CY1JB102J	AA			1 kohm,1/16W
R722	VRD-ST2CD102J	AA			1 kohm,1/6W
R723	VRD-ST2CD102J	AA			1 kohm,1/6W
R724	VRS-CY1JB221J	AA			220 ohms,1/16W
R725	VRS-CY1JB221J	AA			220 ohms,1/16W
R727	VRD-ST2CD103J	AA			10 kohm,1/6W
R728	VRD-ST2CD102J	AA			1 kohm,1/6W
R729	VRD-ST2CD102J	AA			1 kohm,1/6W
R730	VRD-ST2CD102J	AA			1 kohm,1/6W
R731	VRD-ST2CD102J	AA			1 kohm,1/6W
R732	VRD-ST2CD102J	AA			1 kohm,1/6W
R733	VRD-ST2CD272J	AA			2.7 kohms,1/6W
R735	VRD-ST2CD103J	AA			10 kohm,1/6W
R737	VRS-CY1JB103J	AA			10 kohm,1/16W
R738	VRD-ST2CD103J	AA			10 kohm,1/6W
R739	VRS-CY1JB103J	AA			10 kohm,1/16W
R740	VRS-CY1JB102J	AA			1 kohm,1/16W
R741	VRS-CY1JB106J	AA			10 Mohm,1/16W
R742	VRD-ST2CD103J	AA			10 kohm,1/6W
R743	VRD-ST2CD103J	AA			10 kohm,1/6W
R744	VRD-ST2CD103J	AA			10 kohm,1/6W
R745B	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R746	VRD-ST2CD102J	AA			1 kohm,1/6W
R747	VRD-ST2CD102J	AA			1 kohm,1/6W
R748	VRD-ST2CD102J	AA			1 kohm,1/6W
R749	VRD-ST2CD102J	AA			1 kohm,1/6W
R750	VRD-ST2CD102J	AA			1 kohm,1/6W
R751	VRS-CY1JB102J	AA			1 kohm,1/16W
R752A	VRS-CY1JB823J	AA			82 kohms,1/16W
R752B	VRS-CY1JB823J	AA			82 kohms,1/16W
R752C	VRS-CY1JB823J	AA			82 kohms,1/16W
R752D	VRS-CY1JB823J	AA			82 kohms,1/16W
R752E	VRS-CY1JB823J	AA			82 kohms,1/16W
R752F	VRS-CY1JB823J	AA			82 kohms,1/16W
R752G	VRS-CY1JB823J	AA			82 kohms,1/16W
R752H	VRS-CY1JB823J	AA			82 kohms,1/16W
R752I	VRS-CY1JB823J	AA			82 kohms,1/16W
R752J	VRS-CY1JB823J	AA			82 kohms,1/16W
R752K	VRS-CY1JB823J	AA			82 kohms,1/16W
R753A	VRS-CY1JB823J	AA			82 kohms,1/16W
R753B	VRS-CY1JB823J	AA			82 kohms,1/16W
R753C	VRS-CY1JB823J	AA			82 kohms,1/16W
R753D	VRS-CY1JB823J	AA			82 kohms,1/16W
R753E	VRS-CY1JB823J	AA			82 kohms,1/16W
R753F	VRS-CY1JB823J	AA			82 kohms,1/16W
R753G	VRS-CY1JB823J	AA			82 kohms,1/16W
R753H	VRS-CY1JB823J	AA			82 kohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
R753I	VRS-CY1JB823J	AA			82 kohms,1/16W
R753J	VRS-CY1JB823J	AA			82 kohms,1/16W
R753K	VRS-CY1JB823J	AA			82 kohms,1/16W
R753L	VRS-CY1JB823J	AA			82 kohms,1/16W
R753M	VRS-CY1JB823J	AA			82 kohms,1/16W
R753N	VRS-CY1JB823J	AA			82 kohms,1/16W
R753O	VRS-CY1JB823J	AA			82 kohms,1/16W
R753P	VRS-CY1JB823J	AA			82 kohms,1/16W
R753Q	VRS-CY1JB823J	AA			82 kohms,1/16W
R753R	VRS-CY1JB823J	AA			82 kohms,1/16W
R753S	VRS-CY1JB823J	AA			82 kohms,1/16W
R753T	VRS-CY1JB823J	AA			82 kohms,1/16W
R755	VRD-ST2CD102J	AA			1 kohm,1/6W
R756	VRS-CY1JB103J	AA			10 kohm,1/16W
R757	VRD-ST2CD102J	AA			1 kohm,1/6W
R758	VRS-CY1JB102J	AA			1 kohm,1/16W
R760	VRD-ST2EE470J	AA			47 ohms,1/4W
R761	VRS-CY1JB102J	AA			1 kohm,1/16W
R762	VRS-CY1JB102J	AA			1 kohm,1/16W
R763	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R764	VRS-CY1JB104J	AA			100 kohm,1/16W
R765	VRD-ST2CD122J	AA			1.2 kohms,1/6W
R766	VRD-ST2CD122J	AA			1.2 kohms,1/6W
R767	VRD-ST2CD152J	AA			1.5 kohms,1/6W
R768	VRD-ST2CD202J	AA			2 kohms,1/6W
R769	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R770	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R771	VRS-CY1JB103J	AA			10 kohm,1/16W
R772	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R773	VRS-CY1JB271J	AA			270 ohms,1/16W
R775	VRS-CY1JB820J	AA			82 ohms,1/16W
R776	VRS-CY1JB102J	AA			1 kohm,1/16W
R777	VRS-CY1JB103J	AA			10 kohm,1/16W
R778	VRS-CY1JB103J	AA			10 kohm,1/16W
R779	VRS-CY1JB121J	AA			120 ohms,1/16W
R780	VRD-ST2CD122J	AA			1.2 kohms,1/6W
R781	VRD-ST2CD122J	AA			1.2 kohms,1/6W
R782	VRD-ST2CD152J	AA			1.5 kohms,1/6W
R783	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R784	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R785	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R786	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R787	VRS-CY1JB103J	AA			10 kohm,1/16W
R788	VRS-CY1JB103J	AA			10 kohm,1/16W
R789	VRS-CY1JB103J	AA			10 kohm,1/16W
R797	VRD-ST2CD103J	AA			10 kohm,1/6W
R799	VRD-ST2CD102J	AA			1 kohm,1/6W
R901	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R902	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R903	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R904	VRS-CY1JB750J	AA			75 ohms,1/16W
R905	VRS-CY1JB750J	AA			75 ohms,1/16W
R906	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
[11] OTHER CIRCUITRY PARTS					
CFW201	--------	-			Lead Wire
CFW701	QCNWNA295SJZZ	AB	N		Flat Wire,2Pin (A-B)
CFW750	--------	-			Lead Wire
CFW751	QCNWNA105SJZZ	AB			Lead Wire Ass'y
CNP101	QCNCM999JAFZZ	AC			Plug,9Pin
CNP102	QCNCM999GAFZZ	AD			Plug,7Pin
CNP103A	QCNCMA014SJ07	AB			Plug,7Pin
CNP103B	QCNCMA014SJ07	AB			Plug,7Pin
⚠ CNP201	QCNCM017BSJZZ	AD			Plug,3Pin
⚠ CNP202	QCNCM017CSJZZ	AC			Plug,3Pin
⚠ CNP203	QCNCM018BSJZZ	AC			Plug,3Pin
⚠ CNP204	QCNCM998EAFZZ	AG			Plug,5Pin
CNP205	QCNCM999PAFZZ	AC	N		Plug,14Pin
CNP206	QCNCM999NAFZZ	AC			Plug,13Pin
CNP208	QCNCM046CSJZZ	AD			Plug,3Pin
CNP301	QCNCM052CSJZZ	AB			Plug,3Pin
CNP302	QCNCM999JAFZZ	AC			Plug,9Pin
CNP501	QCNCW015QSJZZ	AE			Socket,15Pin
CNP602	QCNCM999GAFZZ	AD			Plug,7Pin
CNP802	QCNCM004GAFZZ	AC			Plug,7Pin
CNP807	QCNCMA019SJ07	AB			Plug,7Pin
CNP904	QCNCM999DAFZZ	AG			Plug,4Pin
CNP904A	QCNCLA020SJ12	AC			Plug,12Pin
CNW1	QCNWNA061SJZZ	AE			Connector Ass'y,4/4Pin
CNW2	QCNWNA058SJZZ	AD			Connector Ass'y,7/7Pin
CNW3	QCNWNA104SJZZ	AF			Connector Ass'y,12/12Pin
CNW4	QCNWNA317SJZZ		N		Connector Ass'y,6/6Pin
CNW5	QCNWNA059SJZZ	AF			Connector Ass'y,7/7Pin
CNW101	QCNWNA031SJZZ	AD			Connector Ass'y,9/9Pin/CNS101

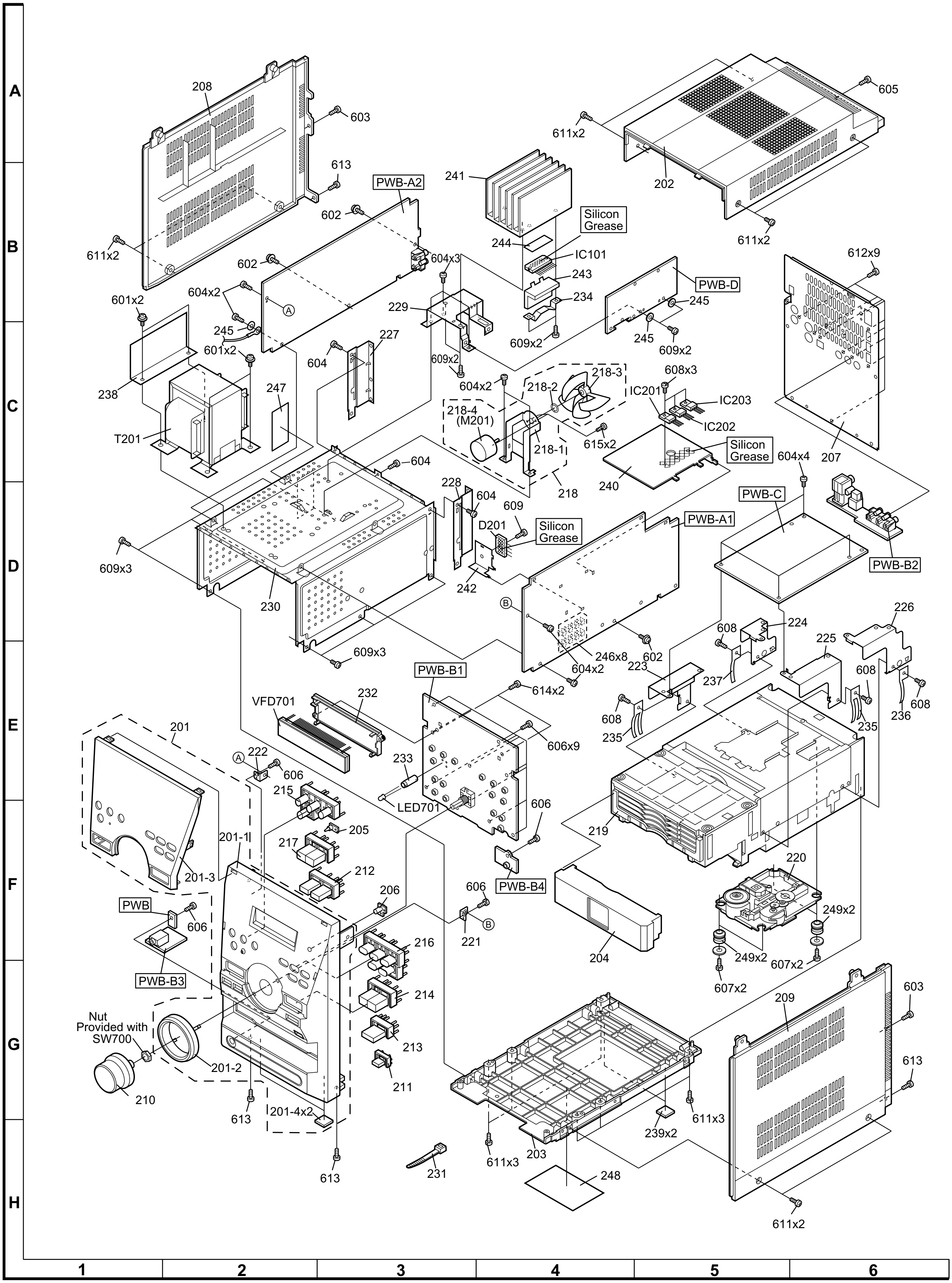
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] OTHER CIRCUITRY PARTS					
CNW102	QCNWNA033SJZZ	AD			Connector Ass'y,7/7Pin/CNS102
CNW103	QCNWNA339SJZZ		N		Connector Ass'y,8/7Pin
⚠ CNW201	QCNWNA024SJZZ	AF			Connector Ass'y,3/3Pin/CNS201
CNW205	QCNWNA289SJZZ	AG	N		Connector Ass'y,15/14Pin/CNS205
CNW206	QCNWNA288SJZZ	AG	N		Connector Ass'y,14/13Pin/CNS206
CNW207	QCNWNA107SJZZ	AB			Connector Ass'y,3Pin
CNW208	QCNWNA315SJZZ		N		Connector Ass'y,3Pin
CNW302	QCNWNA032SJZZ	AE			Connector Ass'y,10/9Pin/CNS302
CNW602	QCNWNA030SJZZ	AE			Connector Ass'y,8/7Pin/CNS602
⚠ F201	QFS-D632BSJNi	AC			Fuse,6.3A/125V
⚠ F202	QFS-D632BSJNi	AC			Fuse,6.3A/125V
⚠ F203	QFS-D202BSJNi	AB			Fuse,2A/125V
⚠ F204	QFS-D322BSJNi	AC			Fuse,3.15A/125V
FC501	QCNWNA286SJZZ		N		Flat Cable,15Pin
FFC1B	QCNWNA399SJZZ		N		Flat Cable,24Pin
JK101	QJAKMA001SJZZ	AG			Jack,Headphones
M201	RMOTV0409AFZZ	AL			Motor,Air Cooling Fan (218-4)
MR101	RCORFA004SJZZ	AE			Core
⚠ MR201	RCORFA004SJZZ	AE			Core
RLY101	RRLYD0014AWZZ	AK			Relay
RLY102	RRLYDA001SJZZ	AH			Relay
⚠ RLY201	RRLYD0004SJZZ	AG			Relay
RX701	VHLGP1UD261-1	AK			Remote Sensor,GP1UD261
S901	QSOCJA001SJZZ	AD			Socket,Component Video Output
S902	QSOCJA002SJZZ	AE			Socket,S-Video/Video Output
S903	VHPBFTX1001-1	AK			Terminal,Audio Digital Output
SO101	QTANAA002SJZZ	AF			Terminal,Speaker
⚠ SO202	QSOCA0214AWZZ	AD			Socket AC Input
SO601	QSOCJ0003SJZZ	AG			Socket,Video/AUX Input
SW700	QSW-Z0003SJZZ	AG			Switch,Rotary Type,Jog [VOLUME]
SW701	QSW-K0002SJZZ	AC			Switch,Key Type [EQUALISER]
SW702	QSW-K0002SJZZ	AC			Switch,Key Type [TUNING DOWN/STOP]
SW703	QSW-K0002SJZZ	AC			Switch,Key Type [TUNING UP/PLAY]
SW704	QSW-K0002SJZZ	AC			Switch,Key Type [PRESET UP]
SW705	QSW-K0002SJZZ	AC			Switch,Key Type [PRESET DOWN]
SW706	QSW-K0002SJZZ	AC			Switch,Key Type [DISC 1]
SW707	QSW-K0002SJZZ	AC			Switch,Key Type [DISC 2]
SW708	QSW-K0002SJZZ	AC			Switch,Key Type [MEMORY/SET]
SW709	QSW-K0002SJZZ	AC			Switch,Key Type [POWER ON/STAND-BY]
SW710	QSW-K0002SJZZ	AC			Switch,Key Type [X-BASS/DEMO]
SW711	QSW-K0002SJZZ	AC			Switch,Key Type [DVD/CD]
SW712	QSW-K0002SJZZ	AC			Switch,Key Type [TUNER (BAND)]
SW713	QSW-K0002SJZZ	AC			Switch,Key Type [VIDEO/AUX]
SW714	QSW-K0002SJZZ	AC			Switch,Key Type [DISC 3]
SW715	QSW-K0002SJZZ	AC			Switch,Key Type [DISC 4]
SW716	QSW-K0002SJZZ	AC			Switch,Key Type [DISC 5]
SW717	QSW-K0002SJZZ	AC			Switch,Key Type [OPEN/CLOSE]
VFD701	VVK251116//-1	AV			FL Display

[12] CHANGER MECHANISM PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[12] CHANGER MECHANISM PARTS					
101	9GD662641004	AU			Drawer L
102	9GD662641033	AP			Drawer R
103	9GD660934116H		N		Disc 1 Carriage Ass'y
104	9GD662192019	AP			Frame
105	9GD662393025	AE			Arm Switch C
106	9GD662224013	AD			Gear D1
107	9GD662224014	AD			Gear D2
108	9GD662393018	AG			Arm Switch D
109	9GD662393024	AF			Arm Switch B
110	9GD662393020	AE			Arm Lock
111	9GD582593021	AE			Lever GC
112	9GD581194039	AE			S Bracket
113	9GD662224010	AG			Gear Pulley
114	9GD661192094	AU			Cover
115	9GD660934179H		N		Clamper Ass'y
116	9GD662392085	AP			Arm Clamper
117	9GD662393007	AK			Lift Slider L
118	9GD662393005	AK			PP Slider
119	9GD662112002	AR			FL Base
120	9GD662393008	AK			Lift Slider R
121	9GD662112175		N		Up/Down Base
122	9GD662393006	AK			Up/Down Slider
123	9GD662101001	AZ			Main Chassis
124	9GD660934077H	AM			Solenoid Ass'y
125	9GD660934162H		N		Motor Ass'y
126	9GD662392022	AL			Arm Lift
127	9GD662224015	AD			Gear E
128	9GD662393039	AF			Arm CC Switch
129	9GD662224016	AD			Gear F
130	9GD663634068	AG			Gear E Collar
131	9GD662393017	AF			Arm P Switch
132	9GD660934076H	BA			CD Changer PWB Ass'y
133	9GD660934072H	AK			Switch PWB Ass'y
134	9GD662393023	AF			Arm Switch A
135	9GD662233009	AL			Gear B
136	9GD662192003	AL			Plate Cam
137	9GD662213021	AM			Gear Cam
138	9GD662593086	AG			Lever CL 1
139	9GD662593090	AL			Lever CL 2
140	9GD662224088	AH			Gear 1
141	9GD662224089	AH			Gear 2
142	9GD660004091	AD			Felt
143	9GD010814711	AC			Gear E Spring
144	9GD010814710	AC			Gear 1 Spring
145	9GD010814712	AC			Gear D Spring
146	9GD660824059	AD			Stop Spring L
147	9GD660824060	AD			Stop Spring R
148	9GD010824696	AD			Spring
149	9GD010804727	AC			Spring A
150	9GD010824717	AG			Spring B
151	9GD010824718	AD			Spring C
152	9GD010824764		N		Spring 1
153	9GD010824736	AD			Spring 2
154	9GD010824755		N		Spring SL B
155	9GD010824754		N		Spring SR B
156	9GD010814739	AH			Spring Gear B
157	9GD660934121H		N		Disc 2 Carriage Ass'y
158	9GD660934122H		N		Disc 3 Carriage Ass'y
159	9GD660934123H		N		Disc 4 Carriage Ass'y
160	9GD660934124H		N		Disc 5 Carriage Ass'y
161	9GDGSL20A2606	AB			Screw,M2.5x6mm
162	9GDGSP14A2504	AC			Screw,M2.5x4mm
163	9GDGSL15A2616	AC			Screw,M2.5x16mm
164	9GDGSL15A2608	AC			Screw,M2.5x8mm
165	9GD033004585	AB			Screw,M2x6mm
166	9GD033004581	AB			Screw,M2x3mm
167	9GD033004577	AC			Screw,M2x16mm
168	GEP65X110030	AD			Washer
169	9GD020834262	AG			Belt
170	9GD033004584	AB			Screw,M2.5x5mm

[13] CABINET PARTS

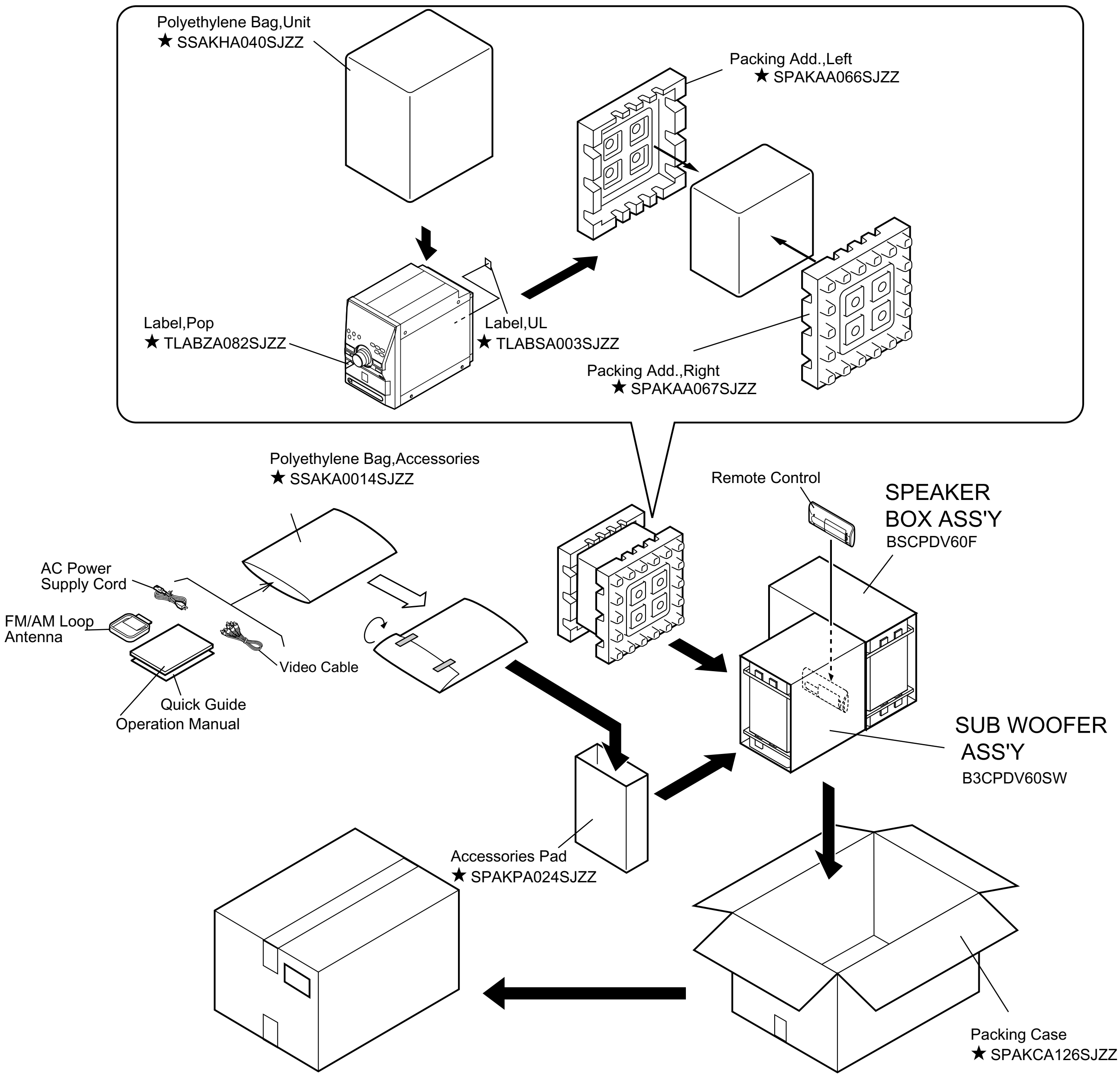


NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[13] CABINET PARTS					
201	CPNLCA011SJ03		N		Front Panel Ass'y
201-1	--------	–			Front Panel
201-2	HDECQA093SJSA	AF	N		Decoration Panel,Center
201-3	HDECQA115SJSA		N		Window
201-4	PCUSG0017SJSA	AB			Cushion,Leg
202	GCABCA004SJSD		N		Top Cabinet
203	GCABDA005SJSD		N		Chassis,Main
204	GCOVAA034SJ01	AK			Changer Cover Ass'y
205	GCOVAA036SJSA	AB	N		Indicator
206	GCOVAA035SJSA	AB	N		Cover,Sensor
207	GiTARA047SJSA		N		Rear Panel [For U.S.A.]
208	GiTASA003SJSD		N		Side Panel,Left
209	GiTASA004SJSD		N		Side Panel,Right
210	JKNBKA010SJSA	AF	N		Knob,Jog
211	JKNBZA053SJSA	AD	N		Button,OPEN/CLOSE
212	JKNBZA054SJSA	AE	N		Button,X-BASS
213	JKNBZA055SJSA	AE	N		Button,MEMORY
214	JKNBZA057SJSA	AC	N		Button,PRESET
215	JKNBZA058SJSA	AC	N		Button,POWER
216	JKNBZA059SJSA	AD	N		Button,5CD Select
217	JKNBZA074SJSA		N		Button,PLAY
218	CFANPA002SJ02		N		Fan Motor Ass'y
218-1	LANGKA067SJFW	AE	N		Bracket,Fan Motor
218-2	MSPRKA005SJFJ	AB			Spring,Fan Stoper
218-3	NFANPA002SJSA	AD			Fan
218-4	RMOTV0409AFZZ	AL			Motor,Air Cooling Fan (M201)
219	KMECZA006SJZZ		N		Changer Unit Ass'y
⚠ 220	KRPLEA002SJM2		N		DVD Mechanism Unit Ass'y
221	LANGKA076SJFW	AB	N		Bracket,Main PWB
222	LANGKA077SJFW		N		Bracket,Tuner PWB
223	LANGKA078SJFW		N		Bracket,DVD PWB (LF)
224	LANGKA079SJFW		N		Bracket,DVD PWB (LR)
225	LANGKA080SJFW		N		Bracket,DVD PWB (RF)
226	LANGKA081SJFW		N		Bracket,DVD PWB (RR)
227	LANGKA082SJFW		N		Bracket,Back Support,Left
228	LANGKA083SJFW		N		Bracket,Back Support,Right
229	LANGKA091SJFW	AE	N		Bracket,Heat Sink,Main
230	LCHSSA006SJFW		N		Chassis,Sub
231	LHLDW1001SJZZ	AD			Nylon Band
232	LHLDZA011SJSA	AC			Holder,FL Display
233	LHLDZA072SJSA	AB	N		Holder,LED
234	MSPRKA001SJFW	AC			Plate Spring,IC
235	MSPRKA002SJFW	AB			Plate Spring,A
236	MSPRKA003SJFW	AB			Plate Spring,B
237	MSPRKA004SJFW	AB			Plate Spring,C
238	PCOVZA005SJFW	AE			Cover,Transformer
239	PCUSG0017SJSA	AB			Cushion,Leg
240	PRDARA009SJFW	AF			Heat Sink,A
241	PRDARA031SJFW	AN	N		Heat Sink,Main
242	PRDARA035SJFW		N		Heat Sink (Diode)
243	PRDARA037SJFW	AB	N		Heat Sink,Sub
244	PSHEZA005SJZZ		N		Silicon Sheet
245	PSPAiA002SJZZ	AB			Spacer,PWB
⚠ 246	QFSHD1013CEZZ	AB			Holder,Fuse
247	TLABSA005SJZZ	AB			Label,Laser
248	TLABZA023SJZZ	AD			Label,Licence
249	9GD620634031		N		Insulator (BLACK)
601	LX-JZA009SJFN	AB			Screw,M4x10mm
602	LX-JZA011SJFN	AB			Screw,M3x12mm
603	LX-JZA014SJF9	AB	N		Screw,M3x10mm
604	XHBSN30P06000	AA			Screw,M3x6mm
605	XHBY930P08000	AA	N		Screw,M3x8mm
606	XJBSN25P08000	AA			Screw,M2.5x8mm
607	XJBSN25P10000	AA			Screw,M2.5x10mm
608	XJBSN30P06000	AA			Screw,M3x6mm
609	XJBSN30P08000	AA			Screw,M3x8mm
611	XJBY930P08000		N		Screw,M3x8mm
612	XJBY930P10000	AA			Screw,M3x10mm
613	XJBY930P12000	AA			Screw,M3x12mm
614	XJPY930P06000	AA	N		Screw,M3x6mm
615	XJBSN20P03000		N		Screw,M2x3mm
[14] SPEAKER BOX PARTS					
	B3CPDV60F		N		Speaker Box Ass'y,L-CH/R-CH
	B3CPDV60SW		N		Sub Woofer Box Ass'y

[15] ACCESSORIES

PACKING METHOD (FOR U.S.A. ONLY)

Setting position of switches and knobs	
DVD Lid	CLOSE



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[15] ACCESSORIES					
⚠	QACCU0003SJ00	AH			AC Power Supply Cord
	QANTL0009SJZZ	AG			FM/AM Loop Antenna
	QCNWGA004SJZZ	AL			Video Cable
	TiNSEA046SJZZ	AF	N		Operation Manual
	TiNSEA047SJZZ	AD	N		Quick Guide
	RRMCGA007SJSA	AR			Remote Control
	GCOVAA026SJSA	AC			Battery Lid,Remote Control

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[16] P.W.B. ASSEMBLY (Not Replacement Item)					
⚠ PWB-A	DCEKKV521SJ03	–	N		Main(A1)/Tuner(A2)
PWB-B	DCEKNV521SJ03	–	N		Display(B1)/Video Terminal(B2)/Jack(B3)/Switch(B4)
PWB-C	DCEKDV521SJ03	–	N		DVD
PWB-D	DCEKSV521SJ03	–	N		Power Amp.
[17] OTHER SERVICE PARTS					
	UDSKA0004AFZZ	AZ			CD Optical Pickup Lens Cleaner Disc
[18] INTEGRATED CIRCUITS (DVD)					
U1	VHi7404-14P-1	AC	N		Audio D/A Converter,WM8746
U2	VHiES6629F/-1	BG	N		Logic,7404
U3	VHiNJM4558D-1	AH			8D Trigger,74HC374
U4	VHiWM8746//-1	AR	N		Amp.,4558
U5	VHi24C02///-1	AE	N		Amp.,4558
U6	VHi3664164T-1	BB	N		Amp.,TL3472
U7	VHiTL3472//-1	AE	N		RF Amp.,ES6603S
U8	VHiNJM4558D-1	AH			Motor Driver,BA5954FP
U9	VHiV6300-5L-1	AG	N		Decoder.ES6629F
U10	VHiAT5654H/-1	AK	N		Serial EEPROM,24C02
U12	VHi74HC374/-1	AF	N		Reset,V6300
U13	VHiES6603S/-1	AS	N		64M SD-RAM,3664164T
U15	RH-iXA024SJZZ	AX	N		Flash ROM,IXA024SJ
[19] TRANSISTORS (DVD)					
Q1	VSAMS1117//-1	AE	N		Voltage Regulator,AMS1117
Q2	VSAMS1117//-1	AE	N		Zener,AMS1117
Q3	VSAMS1117//-1	AE	N		Zener,AMS1117
Q5	VS2N2907//+-1	AB	N		Silicon,PNP,2N2907
Q10	VS2SB1132//-1	AD	N		Silicon,PNP,2SB1132
Q11	VS2SB1132//-1	AD	N		Silicon,PNP,2SB1132
Q12	VS2SK3018//-1	AC	N		N-ch FET,2SK3018
Q13	VS2SK3018//-1	AC	N		N-ch FET,2SK3018
Q14	VS2N3904//+-1	AB			Silicon,NPN,2N3904
Q15	VS2N3904//+-1	AB			Silicon,NPN,2N3904
Q16	VSBAT54S///-1	AC	N		Zener,BAT54S
Q17	VSBAT54S///-1	AC	N		Zener,BAT54S
Q18	VSBAT54S///-1	AC	N		Zener,BAT54S
Q19	VSBAT54S///-1	AC	N		Zener,BAT54S
Q20	VSBAT54S///-1	AC	N		Zener,BAT54S
Q21	VS2SC8050//-1	AB	N		Silicon,NPN,2SC8050
[20] DIODES (DVD)					
D2	VHDRLS4148/-1	AB	N		Silicon,RLS4148
D3	VHDRLS4001/-1	AC	N		Silicon,RLS4001
D4	VHDRLS4001/-1	AC	N		Silicon,RLS4001
D6	VHDRLS4148/-1	AB	N		Silicon,RLS4148
D7	VHDRLS3R9B/-1	AB	N		Zener,4.0V/0.5W,RLS3.9B
D8	VHDRLS4148/-1	AB	N		Silicon,RLS4148
D9	VHDRLS4148/-1	AB	N		Silicon,RLS4148
D10	VHDRLS4148/-1	AB	N		Silicon,RLS4148
D11	VHDRLS4148/-1	AB	N		Silicon,RLS4148
[21] COILS (DVD)					
L1	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L2	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L3	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L4	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L5	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L6	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L7	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L8	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L9	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L10	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L11	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L12	RBLN-A001SJZZ	AB	N		Ferrite Bead,120 ohms
L13	RBLN-A001SJZZ	AB	N		Ferrite Bead,120 ohms
L14	RBLN-A001SJZZ	AB	N		Ferrite Bead,120 ohms
L15	RBLN-A001SJZZ	AB	N		Ferrite Bead,120 ohms
L16	RBLN-A001SJZZ	AB	N		Ferrite Bead,120 ohms
L17	RBLN-A001SJZZ	AB	N		Ferrite Bead,120 ohms
L18	RBLN-A001SJZZ	AB	N		Ferrite Bead,120 ohms
L19	RBLN-A001SJZZ	AB	N		Ferrite Bead,120 ohms
L21	RCiLCA0002SJZ		N		10 µH
L23	RCiLCA0003SJZ		N		2.4 µH
L24	RCiLCA0003SJZ		N		2.4 µH
L25	RCiLCA0003SJZ		N		2.4 µH
L26	RCiLCA0003SJZ		N		2.4 µH
L27	RCiLCA0003SJZ		N		2.4 µH
L28	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L30	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L32	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L33	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L34	RBLN-A002SJZZ	AB	N		Ferrite Bead,220 ohms
L35	RCiLCA0004SJZ		N		3.3 µH

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[22] VIBRATORS (DVD)					
G1	RCRSPA010SJZZ	AE	N		Crystal,27 MHz
[23] CAPACITORS (DVD)					
C1	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C2	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C3	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C4	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C5	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C6	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C7	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C8	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C9	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C10	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C11	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C12	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C13	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C14	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C15	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C16	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C17	VCKYCY1CB104Z	AA			0.1 µ F,16V
C18	VCKYCY1CB104Z	AA			0.1 µ F,16V
C19	VCKYCY1CB104Z	AA			0.1 µ F,16V
C20	VCKYCY1CB104Z	AA			0.1 µ F,16V
C21	VCKYCY1CB104Z	AA			0.1 µ F,16V
C22	VCKYCY1CB104Z	AA			0.1 µ F,16V
C23	VCKYCY1CB104Z	AA			0.1 µ F,16V
C24	VCKYCY1CB104Z	AA			0.1 µ F,16V
C25	VCKYCY1CB104Z	AA			0.1 µ F,16V
C26	VCKYCY1CB104Z	AA			0.1 µ F,16V
C27	VCKYCY1CB104Z	AA			0.1 µ F,16V
C29	VCKYCY1CB104Z	AA			0.1 µ F,16V
C31	VCKYCY1CB104Z	AA			0.1 µ F,16V
C32	VCKYCY1CB104Z	AA			0.1 µ F,16V
C33	VCKYCY1CB104Z	AA			0.1 µ F,16V
C34	VCKYCY1CB104Z	AA			0.1 µ F,16V
C35	VCKYCY1CB104Z	AA			0.1 µ F,16V
C36	VCKYCY1CB104Z	AA			0.1 µ F,16V
C37	VCKYCY1CB104Z	AA			0.1 µ F,16V
C38	VCKYCY1CB104Z	AA			0.1 µ F,16V
C39	VCKYCY1CB104Z	AA			0.1 µ F,16V
C40	VCKYCY1CB104Z	AA			0.1 µ F,16V
C41	VCKYCY1CB104Z	AA			0.1 µ F,16V
C42	VCKYCY1CB104Z	AA			0.1 µ F,16V
C43	VCKYCY1CB104Z	AA			0.1 µ F,16V
C44	VCKYCY1CB104Z	AA			0.1 µ F,16V
C45	VCKYCY1CB104Z	AA			0.1 µ F,16V
C46	VCKYCY1CB104Z	AA			0.1 µ F,16V
C47	VCKYCY1CB104Z	AA			0.1 µ F,16V
C48	VCKYCY1CB104Z	AA			0.1 µ F,16V
C49	VCKYCY1CB104Z	AA			0.1 µ F,16V
C50	VCKYCY1CB104Z	AA			0.1 µ F,16V
C51	VCKYCY1CB104Z	AA			0.1 µ F,16V
C52	VCKYCY1CB104Z	AA			0.1 µ F,16V
C53	VCKYCY1CB104Z	AA			0.1 µ F,16V
C54	VCKYCY1CB104Z	AA			0.1 µ F,16V
C55	VCKYCY1CB104Z	AA			0.1 µ F,16V
C56	VCKYCY1CB104Z	AA			0.1 µ F,16V
C57	VCKYCY1CB104Z	AA			0.1 µ F,16V
C58	VCKYCY1CB104Z	AA			0.1 µ F,16V
C59	VCKYCY1CB104Z	AA			0.1 µ F,16V
C61	VCKYCY1CB104Z	AA			0.1 µ F,16V
C62	VCKYCY1CB104Z	AA			0.1 µ F,16V
C63	VCKYCY1CB104Z	AA			0.1 µ F,16V
C64	VCKYCY1CB104Z	AA			0.1 µ F,16V
C65	VCKYCY1CB104Z	AA			0.1 µ F,16V
C66	VCKYCY1CB104Z	AA			0.1 µ F,16V
C67	VCKYCY1CB104Z	AA			0.1 µ F,16V
C68	VCKYCY1CB104Z	AA			0.1 µ F,16V
C69	VCKYCY1CB104Z	AA			0.1 µ F,16V
C70	VCKYCY1CB104Z	AA			0.1 µ F,16V
C71	VCKYCY1CB104Z	AA			0.1 µ F,16V
C72	VCKYCY1CB104Z	AA			0.1 µ F,16V
C73	VCKYCY1CB104Z	AA			0.1 µ F,16V
C74	VCKYCY1CB104Z	AA			0.1 µ F,16V
C75	VCKYCY1CB104Z	AA			0.1 µ F,16V
C76	VCKYCY1CB104Z	AA			0.1 µ F,16V
C77	VCKYCY1CB104Z	AA			0.1 µ F,16V
C78	VCKYCY1CB104Z	AA			0.1 µ F,16V
C79	VCKYCY1CB104Z	AA			0.1 µ F,16V
C80	VCKYCY1CB104Z	AA			0.1 µ F,16V
C81	VCKYCY1CB104Z	AA			0.1 µ F,16V
C82	VCKYCY1CB104Z	AA			0.1 µ F,16V
C83	VCKYCY1CB104Z	AA			0.1 µ F,16V
C84	VCKYCY1CB104Z	AA			0.1 µ F,16V
C85	VCCCCY1CH471J	AB	N		470 pF (CH),16V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[23] CAPACITORS (DVD)					
C86	VCCCCY1CH471J	AB	N		470 pF (CH),16V
C87	VCCCCY1CH471J	AB	N		470 pF (CH),16V
C88	VCCCCY1CH471J	AB	N		470 pF (CH),16V
C89	VCCCCY1CH221J	AB	N		220 pF (CH),16V
C90	VCCCCY1CH221J	AB	N		220 pF (CH),16V
C91	VCCCCY1CH471J	AB	N		470 pF (CH),16V
C94	VCCCCY1CH221J	AB	N		220 pF (CH),16V
C95	VCCCCY1CH471J	AB	N		470 pF (CH),16V
C96	VCCCCY1CH221J	AB	N		220 pF (CH),16V
C97	VCCCCY1CH471J	AB	N		470 pF (CH),16V
C98	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C99	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C100	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C101	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C102	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C103	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C104	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C105	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C106	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C107	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C108	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C109	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C110	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C111	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C112	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C113	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C114	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C115	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C117	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C118	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C119	RC-GZA106AF1C	AB			10 µ F,16V,Electrolytic
C120	RC-GZA227AF1C	AB			220 µ F,16V,Electrolytic
C121	RC-GZA227AF1C	AB			220 µ F,16V,Electrolytic
C122	RC-GZA227AF1C	AB			220 µ F,16V,Electrolytic
C123	RC-GZA227AF1C	AB			220 µ F,16V,Electrolytic
C124	RC-GZA227AF1C	AB			220 µ F,16V,Electrolytic
C125	VCCCCY1CH151J	AB	N		150 pF (CH),16V
C126	VCCCCY1CH151J	AB	N		150 pF (CH),16V
C127	VCCCCY1CH151J	AB	N		150 pF (CH),16V
C128	VCCCCY1CH220J	AA	N		22 pF (CH),16V
C129	VCCCCY1CH220J	AA	N		22 pF (CH),16V
C130	VCCCCY1CH220J	AA	N		22 pF (CH),16V
C131	VCKYCY1CB102K	AA	N		0.001 µ F,16V
C132	VCKYCY1CB102K	AA	N		0.001 µ F,16V
C133	VCKYCY1CB102K	AA	N		0.001 µ F,16V
C134	VCKYCY1CB102K	AA	N		0.001 µ F,16V
C135	VCKYCY1CB102K	AA	N		0.001 µ F,16V
C136	VCKYCY1CB102K	AA	N		0.001 µ F,16V
C137	VCKYCY1CB102K	AA	N		0.001 µ F,16V
C138	VCKYCY1CB102K	AA	N		0.001 µ F,16V
C139	VCKYCY1CB102K	AA	N		0.001 µ F,16V
C140	VCKYCY1CB102K	AA	N		0.001 µ F,16V
C141	VCKYCY1CB104Z	AA			0.1 µ F,16V
C142	VCKYCY1CB103M	AA	N		0.01 µ F,16V
C143	VCKYCY1CB103M	AA	N		0.01 µ F,16V
C144	VCKYCY1CB222K	AA			0.0022 µ F,16V
C145	VCKYCY1CB222K	AA			0.0022 µ F,16V
C146	VCKYCY1CB222K	AA			0.0022 µ F,16V
C147	VCKYCY1CB222K	AA			0.0022 µ F,16V
C148	VCCCCY1CH161J		N		160 pF (CH),16V
C149	VCKYCY1CB333M	AB	N		0.033 µ F,16V
C150	VCKYCY1CB821K	AA	N		820 pF,16V
C151	VCKYCY1CB224J		N		0.22 µ F,16V
C152	VCCCCY1CH101J	AA	N		100 pF (CH),16V
C153	VCKYCY1CB473M	AB	N		0.047 µ F,16V
C154	VCKYCY1CB473M	AB	N		0.047 µ F,16V
C155	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C156	RC-GZA107AF1C	AB			100 µ F,16V,Electrolytic
C157	RC-GZA476AF1C	AB			47 µ F,16V,Electrolytic
C158	VCKYCY1CB104Z	AA			0.1 µ F,16V
C159	VCKYCY1CB472K	AA	N		0.0047 µ F,16V
C160	VCKYCY1CB472K	AA	N		0.0047 µ F,16V
C161	VCKYCY1CB472K	AA	N		0.0047 µ F,16V
C162	VCCCCY1CH101J	AA	N		100 pF (CH),16V
C163	VCCCCY1CH101J	AA	N		100 pF (CH),16V
C164	VCCCCY1CH330J	AA	N		33 pF (CH),16V
C165	VCCCCY1CH330J	AA	N		33 pF (CH),16V
C166	VCCCCY1CH330J	AA	N		33 pF (CH),16V
C167	VCKYCY1CB682K	AA	N		0.0068 µ F,16V
C168	VCKYCY1CB105Z	AB	N		1 µ F,16V
C169	VCKYCY1CB105Z	AB	N		1 µ F,16V
C170	VCKYCY1CB105Z	AB	N		1 µ F,16V
C171	VCKYCY1CB153M	AA	N		0.015 µ F,16V
C172	VCKYCY1CB153M	AA	N		0.015 µ F,16V
C173	VCKYCY1CB153M	AA	N		0.015 µ F,16V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[23] CAPACITORS (DVD)					
C174	VCCCCY1CH270J	AA	N		27 pF (CH),16V
C175	VCCCCY1CH270J	AA	N		27 pF (CH),16V
C176	VCKYCY1CB561K	AA	N		560 pF,16V
C177	VCKYCY1CB561K	AA	N		560 pF,16V
C178	VCKYCY1CB561K	AA	N		560 pF,16V
C179	RC-GZA475AF1C	AB			4.7 μ F,16V,Electrolytic
C180	VCCCCY1CH470J	AA	N		47 pF (CH),16V
C181	VCCCCY1CH220J	AA	N		22 pF (CH),16V
C182	VCCCCY1CH220J	AA	N		22 pF (CH),16V
C183	VCCCCY1CH220J	AA	N		22 pF (CH),16V
C184	VCCCCY1CH220J	AA	N		22 pF (CH),16V
C185	VCCCCY1CH220J	AA	N		22 pF (CH),16V
C186	VCCCCY1CH220J	AA	N		22 pF (CH),16V
C187	VCKYCY1CB102K	AA	N		0.001 μ F,16V
C188	VCKYCY1CB102K	AA	N		0.001 μ F,16V
[24] RESISTORS (DVD)					
R1	VRS-CY1JB6810	AA	N		681 ohms,1/16W
R2	VRS-CY1JB6810	AA	N		681 ohms,1/16W
R3	VRS-CY1JB4120	AA	N		412 ohms,1/16W
R4	VRS-CY1JB4120	AA	N		412 ohms,1/16W
R5	VRS-CY1JB331F		N		330 ohms,1/16W
R6	VRS-CY1JB330J	AA			33 ohms,1/16W
R7	VRS-CY1JB330J	AA			33 ohms,1/16W
R8	VRS-CY1JB330J	AA			33 ohms,1/16W
R9	VRS-CY1JB330J	AA			33 ohms,1/16W
R10	VRS-CY1JB330J	AA			33 ohms,1/16W
R11	VRS-CY1JB330J	AA			33 ohms,1/16W
R12	VRS-CY1JB330J	AA			33 ohms,1/16W
R13	VRS-CY1JB330J	AA			33 ohms,1/16W
R14	VRS-CY1JB330J	AA			33 ohms,1/16W
R15	VRS-CY1JB330J	AA			33 ohms,1/16W
R16	VRS-CY1JB330J	AA			33 ohms,1/16W
R17	VRS-CY1JB330J	AA			33 ohms,1/16W
R18	VRS-CY1JB330J	AA			33 ohms,1/16W
R19	VRS-CY1JB330J	AA			33 ohms,1/16W
R20	VRS-CY1JB330J	AA			33 ohms,1/16W
R21	VRS-CY1JB330J	AA			33 ohms,1/16W
R22	VRS-CY1JB330J	AA			33 ohms,1/16W
R23	VRS-CY1JB330J	AA			33 ohms,1/16W
R24	VRS-CY1JB330J	AA			33 ohms,1/16W
R25	VRS-CY1JB330J	AA			33 ohms,1/16W
R26	VRS-CY1JB330J	AA			33 ohms,1/16W
R27	VRS-CY1JB330J	AA			33 ohms,1/16W
R28	VRS-CY1JB330J	AA			33 ohms,1/16W
R29	VRS-CY1JB330J	AA			33 ohms,1/16W
R30	VRS-CY1JB330J	AA			33 ohms,1/16W
R31	VRS-CY1JB330J	AA			33 ohms,1/16W
R32	VRS-CY1JB330J	AA			33 ohms,1/16W
R33	VRS-CY1JB330J	AA			33 ohms,1/16W
R34	VRS-CY1JB330J	AA			33 ohms,1/16W
R35	VRS-TV2AB3R3J	AA			3.3 ohms,1/10W
R36	VRS-CY1JB2490	AA	N		249 ohms,1/16W
R38	VRS-CY2AB000J		N		0 ohm,Jumper
R39	VRS-CY2AB000J		N		0 ohm,Jumper
R40	VRS-CY1JB680J	AA			68 ohms,1/16W
R41	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R42	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R44	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R45	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R49	VRS-TV2AB3R3J	AA			3.3 ohms,1/10W
R53	VRS-TV2AB750J	AA			75 ohms,1/10W
R54	VRS-TV2AB750J	AA			75 ohms,1/10W
R69	VRS-CY1JB102J	AA			1 kohm,1/16W
R70	VRS-CY1JB102J	AA			1 kohm,1/16W
R71	VRS-CY1JB102J	AA			1 kohm,1/16W
R73	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R75	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R76	VRS-CY1JB101J	AA			100 ohm,1/16W
R77	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R79	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R80	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R82	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R83	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R84	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R85	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R86	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R87	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R88	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R89	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R90	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R91	VRS-CY1JB104J	AA			100 kohm,1/16W
R92	VRS-CY1JB104J	AA			100 kohm,1/16W
R93	VRS-CY1JB104J	AA			100 kohm,1/16W
R94	VRS-CY1JB104J	AA			100 kohm,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[24] RESISTORS (DVD)					
R95	VRS-CY1JB104J	AA			100 kohm,1/16W
R96	VRS-CY1JB104J	AA			100 kohm,1/16W
R97	VRS-CY1JB104J	AA			100 kohm,1/16W
R98	VRS-CY1JB104J	AA			100 kohm,1/16W
R99	VRS-CY1JB104J	AA			100 kohm,1/16W
R100	VRS-CY1JB104J	AA			100 kohm,1/16W
R101	VRS-CY1JB104J	AA			100 kohm,1/16W
R102	VRS-CY1JB104J	AA			100 kohm,1/16W
R103	VRS-CY1JB104J	AA			100 kohm,1/16W
R104	VRS-CY1JB104J	AA			100 kohm,1/16W
R105	VRS-CY1JB183J	AA			18 kohms,1/16W
R106	VRS-CY1JB183J	AA			18 kohms,1/16W
R107	VRS-CY1JB183J	AA			18 kohms,1/16W
R108	VRS-CY1JB183J	AA			18 kohms,1/16W
R109	VRS-CY1JB912J	AA			9.1 kohms,1/16W
R110	VRS-CY1JB912J	AA			9.1 kohms,1/16W
R111	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R112	VRS-CY1JB100J	AA			10 ohm,1/16W
R113	VRS-CY1JB100J	AA			10 ohm,1/16W
R114	VRS-CY1JB100J	AA			10 ohm,1/16W
R115	VRS-CY1JB100J	AA			10 ohm,1/16W
R116	VRS-CY1JB100J	AA			10 ohm,1/16W
R117	VRS-CY1JB100J	AA			10 ohm,1/16W
R118	VRS-CY1JB103J	AA			10 kohm,1/16W
R119	VRS-CY1JB103J	AA			10 kohm,1/16W
R120	VRS-CY1JB103J	AA			10 kohm,1/16W
R121	VRS-CY1JB103J	AA			10 kohm,1/16W
R122	VRS-CY1JB103J	AA			10 kohm,1/16W
R123	VRS-CY1JB103J	AA			10 kohm,1/16W
R124	VRS-CY1JB103J	AA			10 kohm,1/16W
R125	VRS-CY1JB103J	AA			10 kohm,1/16W
R126	VRS-CY1JB103J	AA			10 kohm,1/16W
R127	VRS-CY1JB103J	AA			10 kohm,1/16W
R129	VRS-CY1JB106J	AA			10 Mohm,1/16W
R130	VRS-CY1JB105J	AA			1 Mohm,1/16W
R131	VRS-CY1JB105J	AA			1 Mohm,1/16W
R133	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R134	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R135	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R136	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R137	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R138	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R139	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R140	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R141	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R142	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R143	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R144	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R145	VRS-CY1JB223J	AA			22 kohms,1/16W
R146	VRS-CY1JB223J	AA			22 kohms,1/16W
R147	VRS-CY1JB223J	AA			22 kohms,1/16W
R148	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R149	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R150	VRS-CY1JB102J	AA			1 kohms,1/16W
R151	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R152	VRS-CY1JB102J	AA			1 kohms,1/16W
R153	VRS-CY1JB123J	AA			12 kohms,1/16W
R154	VRS-CY1JB101J	AA			100 ohm,1/16W
R155	VRS-TV2AB1R0J	AA			1 ohm,1/10W
R156	VRS-TV2AB1R0J	AA			1 ohm,1/10W
R157	VRS-TV2AB1R0J	AA			1 ohm,1/10W
R158	VRS-TV2AB1R0J	AA			1 ohm,1/10W
R159	VRS-CY1JB473J	AA			47 kohms,1/16W
R160	VRS-CY1JB473J	AA			47 kohms,1/16W
R161	VRS-CY1JB333J	AA			33 kohms,1/16W
R162	VRS-CY1JB333J	AA			33 kohms,1/16W
R163	VRS-CY1JB333J	AA			33 kohms,1/16W
R164	VRS-CY1JB123J	AA			12 kohms,1/16W
R165	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R166	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R167	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R168	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R169	VRS-CY1JB820J	AA			82 ohms,1/16W
R170	VRS-CY1JB820J	AA			82 ohms,1/16W
R171	VRS-CY1JB820J	AA			82 ohms,1/16W
R172	VRS-CY1JB820J	AA			82 ohms,1/16W
R173	VRS-CY1JB820J	AA			82 ohms,1/16W
R174	VRS-CY1JB512J	AA			5.1 kohms,1/16W
R175	VRS-CY1JB512J	AA			5.1 kohms,1/16W
R176	VRS-CY1JB683J	AA			68 kohms,1/16W
R177	VRS-CY1JB3920	AA	N		392 ohms,1/16W
R178	VRS-CY1JB203J	AA			20 kohms,1/16W
R179	VRS-CY1JB151J	AA			150 ohms,1/16W
R180	VRS-CY2AB000J		N		0 ohm,Jumper
R181	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[24] RESISTORS (DVD)					
R182	VRS-CY2AB000J		N		0 ohm,Jumper
RN1	VRS-CB1JF100J	AA	N		10 ohm,1/16W,Resistors Array
RN2	VRS-CB1JF100J	AA	N		10 ohm,1/16W,Resistors Array
RN3	VRS-CB1JF100J	AA	N		10 ohm,1/16W,Resistors Array
[25] OTHER CIRCUITRY PARTS (DVD)					
J1	QCNCM999DAFZZ	AG			Plug,4Pin
J2	QCNCM999GAFZZ	AD			Plug,7Pin
J3	QCNCM999MAFZZ	AC			Plug,12Pin
J4	QCNCM999FAFZZ	AE			Plug,6Pin
J5	QCNCMA019SJ07	AB	N		Plug,7Pin
JB1	QCNCWA051SJ24		N		Socket,24Pin

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PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
【 B 】				
B3CPDV60F	14–		N	
B3CPDV60SW	14–		N	
【 C 】				
CFANPA002SJ02	13–218		N	
CPNLCA011SJ03	13–201		N	
【 D 】				
DCEKDV521SJ03	16–PWB–C	–	N	
DCEKKV521SJ03	16–PWB–A	–	N	
DCEKNV521SJ03	16–PWB–B	–	N	
DCEKSV521SJ03	16–PWB–D	–	N	
【 G 】				
GCABCA004SJSD	13–202		N	
GCABDA005SJSD	13–203		N	
GCŌVAA026SJSA	15–	AC		
GCŌVAA034SJ01	13–204	AK		
GCŌVAA035SJSA	13–206	AB	N	
GCŌVAA036SJSA	13–205	AB	N	
GEP65X110030	12–168	AD		
GiTARA047SJSA	13–207		N	
GiTASA003SJSD	13–208		N	
GiTASA004SJSD	13–209		N	
【 H 】				
HDECQA093SJSA	13–201–2	AF	N	
HDECQA115SJSA	13–201–3		N	
【 J 】				
JKNBKA010SJSA	13–210	AF	N	
JKNBZA053SJSA	13–211	AD	N	
JKNBZA054SJSA	13–212	AE	N	
JKNBZA055SJSA	13–213	AE	N	
JKNBZA057SJSA	13–214	AC	N	
JKNBZA058SJSA	13–215	AC	N	
JKNBZA059SJSA	13–216	AD	N	
JKNBZA074SJSA	13–217		N	
【 K 】				
KMECZA006SJZZ	13–219		N	
KRPLEA002SJM2	13–220		N	
【 L 】				
LANGKA067SJFW	13–218–1	AE	N	
LANGKA076SJFW	13–221	AB	N	
LANGKA077SJFW	13–222		N	
LANGKA078SJFW	13–223		N	
LANGKA079SJFW	13–224		N	
LANGKA080SJFW	13–225		N	
LANGKA081SJFW	13–226		N	
LANGKA082SJFW	13–227		N	
LANGKA083SJFW	13–228		N	
LANGKA091SJFW	13–229	AE	N	
LCHSSA006SJFW	13–230		N	
LHLDW1001SJZZ	13–231	AD		
LHLDZA011SJSA	13–232	AC		
LHLDZA072SJSA	13–233	AB	N	
LX–JZA009SJFN	13–601	AB		
LX–JZA011SJFN	13–602	AB		
LX–JZA014SJF9	13–603	AB	N	
【 M 】				
MSPRKA001SJFW	13–234	AC		
MSPRKA002SJFW	13–235	AB		
MSPRKA003SJFW	13–236	AB		
MSPRKA004SJFW	13–237	AB		
MSPRKA005SJFJ	13–218–2	AB		
【 N 】				
NFANPA002SJSA	13–218–3	AD		
【 P 】				
PCŌVZA005SJFW	13–238	AE		
PCUSG0017SJSA	13–239	AB		
〃	13–201–4	AB		
PRDARA009SJFW	13–240	AF		
PRDARA031SJFW	13–241	AN	N	
PRDARA035SJFW	13–242		N	
PRDARA037SJFW	13–243	AB	N	
PSHEZA005SJZZ	13–244		N	
PSPAiA002SJZZ	13–245	AB		
【 Q 】				
QACCU0003SJ00	15–	AH		
QANTL0009SJZZ	15–	AG		
QCNCLA020SJ12	11–CNP904A	AC		
QCNCM004GAFZZ	11–CNP802	AC		
QCNCM017BSJZZ	11–CNP201	AD		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
QCNCM017CSJZZ	11–CNP202	AC		
QCNCM018BSJZZ	11–CNP203	AC		
QCNCM046CSJZZ	11–CNP208	AD		
QCNCM052CSJZZ	11–CNP301	AB		
QCNCM998EAFZZ	11–CNP204	AG		
QCNCM999DAFZZ	11–CNP904	AG		
〃	25–J1	AG		
QCNCM999FAFZZ	25–J4	AE		
QCNCM999GAFZZ	11–CNP102	AD		
〃	11–CNP602	AD		
〃	25–J2	AD		
QCNCM999JAFZZ	11–CNP101	AC		
〃	11–CNP302	AC		
QCNCM999MAFZZ	25–J3	AC		
QCNCM999NAFZZ	11–CNP206	AC		
QCNCM999PAFZZ	11–CNP205	AC	N	
QCNCMA014SJ07	11–CNP103A	AB		
〃	11–CNP103B	AB		
QCNCMA019SJ07	11–CNP807	AB		
〃	25–J5	AB	N	
QCNCW015QSJZZ	11–CNP501	AE		
QCNCWA051SJ24	25–JB1		N	
QCNWGA004SJZZ	15–	AL		
QCNWNA024SJZZ	11–CNW201	AF		
QCNWNA030SJZZ	11–CNW602	AE		
QCNWNA031SJZZ	11–CNW101	AD		
QCNWNA032SJZZ	11–CNW302	AE		
QCNWNA033SJZZ	11–CNW102	AD		
QCNWNA058SJZZ	11–CNW2	AD		
QCNWNA059SJZZ	11–CNW5	AF		
QCNWNA061SJZZ	11–CNW1	AE		
QCNWNA104SJZZ	11–CNW3	AF		
QCNWNA105SJZZ	11–CFW751	AB		
QCNWNA107SJZZ	11–CNW207	AB		
QCNWNA286SJZZ	11–FC501		N	
QCNWNA288SJZZ	11–CNW206	AG	N	
QCNWNA289SJZZ	11–CNW205	AG	N	
QCNWNA295SJZZ	11–CFW701	AB	N	
QCNWNA315SJZZ	11–CNW208		N	
QCNWNA317SJZZ	11–CNW4		N	
QCNWNA339SJZZ	11–CNW103		N	
QCNWNA399SJZZ	11–FFC1B		N	
QFS–D202BSJNi	11–F203	AB		
QFS–D322BSJNi	11–F204	AC		
QFS–D632BSJNi	11–F201	AC		
〃	11–F202	AC		
QFSHD1013CEZZ	13–246	AB		
QJAKMA001SJZZ	11–JK101	AG		
QSŌCA0214AWZZ	11–SŌ202	AD		
QSŌCJ0003SJZZ	11–SŌ601	AG		
QSŌCJA001SJZZ	11–S901	AD		
QSŌCJA002SJZZ	11–S902	AE		
QSW–K0002SJZZ	11–SW701	AC		
〃	11–SW702	AC		
〃	11–SW703	AC		
〃	11–SW704	AC		
〃	11–SW705	AC		
〃	11–SW706	AC		
〃	11–SW707	AC		
〃	11–SW708	AC		
〃	11–SW709	AC		
〃	11–SW710	AC		
〃	11–SW711	AC		
〃	11–SW712	AC		
〃	11–SW713	AC		
〃	11–SW714	AC		
〃	11–SW715	AC		
〃	11–SW716	AC		
〃	11–SW717	AC		
QSW–Z0003SJZZ	11–SW700	AG		
QTANAA002SJZZ	11–SŌ101	AF		
【 R 】				
RBLN–A001SJZZ	6–L902	AB		
〃	6–L903	AB		
〃	6–L904	AB		
〃	6–L905	AB		
〃	6–L906	AB		
〃	6–L907	AB		
〃	21–L12	AB	N	
〃	21–L13	AB	N	

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	21-L14	AB	N	
〃	21-L15	AB	N	
〃	21-L16	AB	N	
〃	21-L17	AB	N	
〃	21-L18	AB	N	
〃	21-L19	AB	N	
RBLN-A002SJZZ	21-L1	AB	N	
〃	21-L2	AB	N	
〃	21-L3	AB	N	
〃	21-L4	AB	N	
〃	21-L5	AB	N	
〃	21-L6	AB	N	
〃	21-L7	AB	N	
〃	21-L8	AB	N	
〃	21-L9	AB	N	
〃	21-L10	AB	N	
〃	21-L11	AB	N	
〃	21-L28	AB	N	
〃	21-L30	AB	N	
〃	21-L32	AB	N	
〃	21-L33	AB	N	
〃	21-L34	AB	N	
RC-EZD107AF1A	9-C709	AB		
RC-EZD227AF1A	9-C706	AC		
RC-EZD336AF1C	9-C712	AB		
RC-EZD476AF1C	9-C506	AC		
〃	9-C716	AC		
RC-EZW688AF1E	9-C214	AH		
〃	9-C236	AH		
RC-GZA105AF1C	9-C601	AB		
〃	9-C602	AB		
〃	9-C605	AB		
〃	9-C606	AB		
〃	9-C624	AB		
〃	9-C625	AB		
RC-GZA105AF1H	9-C104	AB		
〃	9-C105	AB		
〃	9-C358	AB		
〃	9-C367	AB		
〃	9-C368	AB		
〃	9-C370	AB		
〃	9-C371	AB		
〃	9-C372	AB		
〃	9-C393	AB		
RC-GZA106AF1C	9-C224	AB		
〃	9-C316	AB		
〃	9-C352	AB		
〃	9-C364	AB		
〃	9-C380	AB		
〃	9-C604	AB		
〃	9-C607	AB		
〃	9-C608	AB		
〃	9-C609	AB		
〃	9-C610	AB		
〃	9-C656	AB		
〃	9-C661	AB		
〃	9-C662	AB		
〃	9-C663	AB		
〃	9-C664	AB		
〃	9-C666	AB		
〃	9-C667	AB		
〃	9-C668	AB		
〃	9-C670	AB		
〃	9-C678	AB		
〃	9-C693	AB		
〃	9-C696	AB		
〃	9-C902	AB		
〃	23-C13	AB		
〃	23-C98	AB		
〃	23-C99	AB		
〃	23-C100	AB		
〃	23-C101	AB		
〃	23-C102	AB		
〃	23-C103	AB		
〃	23-C104	AB		
〃	23-C105	AB		
〃	23-C106	AB		
〃	23-C107	AB		
〃	23-C108	AB		
〃	23-C109	AB		
〃	23-C110	AB		
〃	23-C111	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	23-C112	AB		
〃	23-C113	AB		
〃	23-C114	AB		
〃	23-C115	AB		
〃	23-C117	AB		
〃	23-C118	AB		
〃	23-C119	AB		
RC-GZA106AF1H	9-C106	AB		
〃	9-C135	AB		
〃	9-C136	AB		
RC-GZA107AF1A	9-C396	AB		
〃	9-C398	AB		
RC-GZA107AF1C	9-C201	AB		
〃	9-C618	AB		
〃	9-C640	AB		
〃	9-C669	AB		
〃	23-C1	AB		
〃	23-C2	AB		
〃	23-C3	AB		
〃	23-C4	AB		
〃	23-C5	AB		
〃	23-C6	AB		
〃	23-C7	AB		
〃	23-C8	AB		
〃	23-C9	AB		
〃	23-C10	AB		
〃	23-C11	AB		
〃	23-C12	AB		
〃	23-C14	AB		
〃	23-C15	AB		
〃	23-C16	AB		
〃	23-C155	AB		
〃	23-C156	AB		
RC-GZA107AF1H	9-C210	AC		
〃	9-C225	AC		
〃	9-C226	AC		
RC-GZA225AF1H	9-C357	AB		
RC-GZA226AF1C	9-C652	AB		
RC-GZA227AF1C	9-C216	AB		
〃	23-C120	AB		
〃	23-C121	AB		
〃	23-C122	AB		
〃	23-C123	AB		
〃	23-C124	AB		
RC-GZA227AF1E	9-C220	AB		
RC-GZA335AF1C	9-C141	AB		
RC-GZA335AF1H	9-C109	AB		
〃	9-C362	AB		
RC-GZA336AF1C	9-C134	AB		
〃	9-C617	AB		
〃	9-C671	AB		
RC-GZA475AF1C	23-C179	AB		
RC-GZA476AF1C	9-C142	AB		
〃	9-C223	AB		
〃	9-C391	AB		
〃	9-C394	AB		
〃	9-C615	AB		
〃	9-C616	AB		
〃	23-C157	AB		
RC-GZA476AF1E	9-C222	AB		
〃	9-C230	AB		
〃	9-C639	AB		
RC-GZA476AF1H	9-C107	AB		
〃	9-C108	AB		
〃	9-C139	AB		
〃	9-C208	AB		
RC-GZA477AF1C	9-C217	AC		
〃	9-C245	AC		
RC-GZV227AF1H	9-C207	AC		
RC-GZV228AF1C	9-C227	AG		
RC-GZV337AF1V	9-C209	AB		
RC-GZW228AF1V	9-C237	AF		
RC-GZW478AF1V	9-C211	AH		
〃	9-C212	AH		
RCiLAA002SJZZ	5-T302	AC		
RCiLB0016SJZZ	6-L303	AD		
RCiLBA006SJZZ	5-T306	AC		
RCiLCA0002SJZ	21-L21		N	
RCiLCA0003SJZ	21-L23		N	
〃	21-L24		N	
〃	21-L25		N	
〃	21-L26		N	

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	21-L27		N	
RCiLCA0004SJZZ	21-L35		N	
RCiLCA001SJZZ	6-L206	AD		
RCiLCA002SJZZ	6-L901	AB		
RCiLCA003SJZZ	6-L702	AB		
RCiLi0004SJZZ	5-T351	AF		
RCiLi0005SJZZ	5-T304	AF		
RCiLR0003SJZZ	6-L302	AD		
RCiLZ0005SJZZ	6-LF201	AF		
RCÖRFA004SJZZ	11-MR101	AE		
〃	11-MR201	AE		
RC-QZA104AFYJ	9-C613	AC		
〃	9-C614	AC		
〃	9-C674	AC		
〃	9-C676	AC		
〃	9-C694	AC		
〃	9-C695	AC		
RCRM-0007SJZZ	8-X351	AG		
RCRM-0008SJZZ	8-X702	AG		
RCRSP0003SJZZ	8-X352	AL		
RCRSPA007SJZZ	8-X701	AE		
RCRSPA010SJZZ	22-G1	AE	N	
RFiLA0003SJZZ	4-CF352	AF		
RFiLF0003AWZZ	4-CF351	AK		
RFiLF0004SJZZ	4-CF302	AG		
〃	4-CF303	AG		
RFiLRA001SJZZ	4-BF301	AD		
RH-iXA009SJZZ	1-iC701	AV		
RH-iXA024SJZZ	18-U15	AX	N	
RMÖTV0409AFZZ	11-M201	AL		
〃	13-218-4	AL		
RRLYD0004SJZZ	11-RLY201	AG		
RRLYD0014AWZZ	11-RLY101	AK		
RRLYDA001SJZZ	11-RLY102	AH		
RRMCGA007SJSA	15-	AR		
RTRNP0056SJZZ	5-T202	AM		
RTRNPA036SJZZ	5-T201		N	
RVR-M0026AWZZ	7-VR351	AC		
【 T 】				
TiNSEA046SJZZ	15-	AF	N	
TiNSEA047SJZZ	15-	AD	N	
TLABSA005SJZZ	13-247	AB		
TLABZA023SJZZ	13-248	AD		
【 U 】				
UDSKA0004AFZZ	17-	AZ		
【 V 】				
VCCCCY1CH101J	23-C152	AA	N	
〃	23-C162	AA	N	
〃	23-C163	AA	N	
VCCCCY1CH151J	23-C125	AB	N	
〃	23-C126	AB	N	
〃	23-C127	AB	N	
VCCCCY1CH161J	23-C148		N	
VCCCCY1CH220J	23-C128	AA	N	
〃	23-C129	AA	N	
〃	23-C130	AA	N	
〃	23-C181	AA	N	
〃	23-C182	AA	N	
〃	23-C183	AA	N	
〃	23-C184	AA	N	
〃	23-C185	AA	N	
〃	23-C186	AA	N	
VCCCCY1CH221J	23-C89	AB	N	
〃	23-C90	AB	N	
〃	23-C94	AB	N	
〃	23-C96	AB	N	
VCCCCY1CH270J	23-C174	AA	N	
〃	23-C175	AA	N	
VCCCCY1CH330J	23-C164	AA	N	
〃	23-C165	AA	N	
〃	23-C166	AA	N	
VCCCCY1CH470J	23-C180	AA	N	
VCCCCY1CH471J	23-C85	AB	N	
〃	23-C86	AB	N	
〃	23-C87	AB	N	
〃	23-C88	AB	N	
〃	23-C91	AB	N	
〃	23-C95	AB	N	
〃	23-C97	AB	N	
VCCCCY1HH120J	9-C381	AA		
VCCCCY1HH150J	9-C382	AA		
VCCCCY1HH180J	9-C319	AA		

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VCCCCY1HH220J	9-C314	AA		
VCCCCY1HH240J	9-C703	AA		
〃	9-C704	AA		
VCCCPA1HH100J	9-C311	AA		
VCCCPA1HH120J	9-C330	AA		
VCCSCY1HL220J	9-C355	AD		
VCCSCY1HL330J	9-C312	AD		
〃	9-C343	AD		
〃	9-C344	AD		
VCCSCY1HL560J	9-C369	AD		
VCCSCY1HL5R0C	9-C318	AD		
VCCUCY1HJ6R0D	9-C313	AB		
VCCUCY1HJ9R0D	9-C306	AB		
VCCUPA1HJ270J	9-C334	AA		
VCFYFA1HA104J	9-C125	AC		
〃	9-C127	AC		
〃	9-C128	AC		
〃	9-C130	AC		
〃	9-C203	AC		
〃	9-C204	AC		
〃	9-C205	AC		
〃	9-C206	AC		
VCFYFA1HA473J	9-C228	AB		
〃	9-C229	AB		
VCFYSA1HM474J	9-C637		N	
〃	9-C638		N	
〃	9-C697		N	
〃	9-C698		N	
VCKYCY1CB102K	23-C131	AA	N	
〃	23-C132	AA	N	
〃	23-C133	AA	N	
〃	23-C134	AA	N	
〃	23-C135	AA	N	
〃	23-C136	AA	N	
〃	23-C137	AA	N	
〃	23-C138	AA	N	
〃	23-C139	AA	N	
〃	23-C140	AA	N	
〃	23-C187	AA	N	
〃	23-C188	AA	N	
VCKYCY1CB103M	23-C142	AA	N	
〃	23-C143	AA	N	
VCKYCY1CB104K	9-C903	AB		
VCKYCY1CB104Z	23-C17	AA		
〃	23-C18	AA		
〃	23-C19	AA		
〃	23-C20	AA		
〃	23-C21	AA		
〃	23-C22	AA		
〃	23-C23	AA		
〃	23-C24	AA		
〃	23-C25	AA		
〃	23-C26	AA		
〃	23-C27	AA		
〃	23-C29	AA		
〃	23-C31	AA		
〃	23-C32	AA		
〃	23-C33	AA		
〃	23-C34	AA		
〃	23-C35	AA		
〃	23-C36	AA		
〃	23-C37	AA		
〃	23-C38	AA		
〃	23-C39	AA		
〃	23-C40	AA		
〃	23-C41	AA		
〃	23-C42	AA		
〃	23-C43	AA		
〃	23-C44	AA		
〃	23-C45	AA		
〃	23-C46	AA		
〃	23-C47	AA		
〃	23-C48	AA		
〃	23-C49	AA		
〃	23-C50	AA		
〃	23-C51	AA		
〃	23-C52	AA		
〃	23-C53	AA		
〃	23-C54	AA		
〃	23-C55	AA		
〃	23-C56	AA		
〃	23-C57	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	23-C58	AA		
〃	23-C59	AA		
〃	23-C61	AA		
〃	23-C62	AA		
〃	23-C63	AA		
〃	23-C64	AA		
〃	23-C65	AA		
〃	23-C66	AA		
〃	23-C67	AA		
〃	23-C68	AA		
〃	23-C69	AA		
〃	23-C70	AA		
〃	23-C71	AA		
〃	23-C72	AA		
〃	23-C73	AA		
〃	23-C74	AA		
〃	23-C75	AA		
〃	23-C76	AA		
〃	23-C77	AA		
〃	23-C78	AA		
〃	23-C79	AA		
〃	23-C80	AA		
〃	23-C81	AA		
〃	23-C82	AA		
〃	23-C83	AA		
〃	23-C84	AA		
〃	23-C141	AA		
〃	23-C158	AA		
VCKYCY1CB105Z	23-C168	AB	N	
〃	23-C169	AB	N	
〃	23-C170	AB	N	
VCKYCY1CB153M	23-C171	AA	N	
〃	23-C172	AA	N	
〃	23-C173	AA	N	
VCKYCY1CB222K	23-C144	AA		
〃	23-C145	AA		
〃	23-C146	AA		
〃	23-C147	AA		
VCKYCY1CB224J	23-C151		N	
VCKYCY1CB333M	23-C149	AB	N	
VCKYCY1CB472K	23-C159	AA	N	
〃	23-C160	AA	N	
〃	23-C161	AA	N	
VCKYCY1CB473M	23-C153	AB	N	
〃	23-C154	AB	N	
VCKYCY1CB561K	23-C176	AA	N	
〃	23-C177	AA	N	
〃	23-C178	AA	N	
VCKYCY1CB682K	23-C167	AA	N	
VCKYCY1CB821K	23-C150	AA	N	
VCKYCY1CF105Z	9-C160	AB		
〃	9-C161	AB		
VCKYCY1EB104K	9-C701	AD		
〃	9-C702	AD		
〃	9-C705	AD		
〃	9-C711	AD		
VCKYCY1EF103Z	9-C304	AA		
VCKYCY1EF104Z	9-C707	AA		
VCKYCY1EF123Z	9-C301	AA		
VCKYCY1EF223Z	9-C308	AB		
〃	9-C317	AB		
〃	9-C329	AB		
〃	9-C350	AB		
〃	9-C351	AB		
〃	9-C353	AB		
〃	9-C354	AB		
〃	9-C360	AB		
〃	9-C361	AB		
〃	9-C363	AB		
〃	9-C365	AB		
〃	9-C383	AB		
〃	9-C387	AB		
〃	9-C395	AB		
〃	9-C397	AB		
VCKYCY1EF473Z	9-C331	AB		
〃	9-C657	AB		
VCKYCY1HB101K	9-C315	AB		
〃	9-C708	AB		
VCKYCY1HB102K	9-C302	AA		
〃	9-C303	AA		
〃	9-C309	AA		
〃	9-C349	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-C356	AA		
〃	9-C366	AA		
〃	9-C384	AA		
〃	9-C392	AA		
〃	9-C714	AA		
〃	9-C715	AA		
VCKYCY1HB104K	9-C126	AD		
〃	9-C129	AD		
〃	9-C388	AD		
〃	9-C622	AD		
〃	9-C623	AD		
VCKYCY1HB221K	9-C101	AA		
〃	9-C102	AA		
〃	9-C171	AA		
〃	9-C619	AA		
〃	9-C620	AA		
〃	9-C621	AA		
〃	9-C681	AA		
〃	9-C683	AA		
VCKYCY1HB222K	9-C140	AA		
VCKYCY1HB272K	9-C634	AA		
VCKYCY1HB332K	9-C321	AA		
VCKYCY1HB472K	9-C165	AA		
〃	9-C167	AA		
〃	9-C169	AA		
〃	9-C305	AA		
〃	9-C307	AA		
VCKYCY1HB473K	9-C221	AB		
VCKYCY1HB561K	9-C335	AA		
VCKYCY1HF103Z	9-C713	AB		
VCKYCY1HF223Z	9-C119	AA		
〃	9-C120	AA		
〃	9-C121	AA		
〃	9-C124	AA		
〃	9-C219	AA		
〃	9-C515	AA		
VCKYCY1HF473Z	9-C710	AB		
VCKYPA1HB104K	9-C137	AC		
〃	9-C138	AC		
〃	9-C720	AC		
VCKYPA1HB221K	9-C682	AA		
VCKYPA1HB272K	9-C611	AA		
〃	9-C612	AA		
〃	9-C632	AA		
〃	9-C633	AA		
VCKYPA1HB331K	9-C378	AA		
〃	9-C386	AA		
VCKYPA1HB472K	9-C131	AB		
〃	9-C132	AB		
〃	9-C133	AB		
VCKYPA1HF103Z	9-C385	AB		
VCKYPA1HF223Z	9-C122	AB		
〃	9-C123	AB		
〃	9-C202	AB		
〃	9-C332	AB		
〃	9-C337	AB		
〃	9-C399	AB		
VCKYPA1HF473Z	9-C213	AB		
〃	9-C215	AB		
VCQYKA1JM274J	9-C631	AC		
〃	9-C635	AC		
VCTYPA1CX223K	9-C373	AA		
〃	9-C374	AA		
VHCKDV147B/-1	3-VD302	AH		
〃	3-VD303	AH		
VHCSVC348S/-1	3-VD301	AK		
VHD1N4004//-1	3-D107	AB		
〃	3-D109	AB		
〃	3-D110	AB		
〃	3-D111	AB		
〃	3-D112	AB		
〃	3-D209	AB		
〃	3-D210	AB		
〃	3-D211	AB		
〃	3-D212	AB		
〃	3-D213	AB		
〃	3-D214	AB		
〃	3-D215	AB		
〃	3-D216	AB		
〃	3-D217	AB		
〃	3-D218	AB		
〃	3-D219	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-D232	AB		
〃	3-D701	AB		
〃	3-D706	AB		
〃	3-D708	AB		
VHD1N4148//-1	3-D104	AA		
〃	3-D105	AA		
〃	3-D106	AA		
〃	3-D108	AA		
〃	3-D202	AA		
〃	3-D301	AA		
〃	3-D302	AA		
〃	3-D305	AA		
〃	3-D306	AA		
〃	3-D307	AA		
〃	3-D308	AA		
〃	3-D604	AA		
〃	3-D605	AA		
〃	3-D702	AA		
〃	3-D703	AA		
〃	3-D704	AA		
〃	3-D705	AA		
〃	3-D709	AA		
〃	3-D710	AA		
〃	3-D712	AA		
〃	3-D713	AA		
VHD1N5822//-1	3-D231	AD		
VHDKBP304GM-1	3-D205	AF		
VHDRLS3R9B/-1	20-D7	AB	N	
VHDRLS4001/-1	20-D3	AC	N	
〃	20-D4	AC	N	
VHDRLS4148/-1	20-D2	AB	N	
〃	20-D6	AB	N	
〃	20-D8	AB	N	
〃	20-D9	AB	N	
〃	20-D10	AB	N	
〃	20-D11	AB	N	
VHDTS6B04GM-1	3-D201	AP		
VHEDZH03C3+-1	3-ZD701	AB		
VHEDZH05C2+-1	3-ZD351	AB		
VHEDZH06B2+-1	3-ZD101	AB		
VHEDZH06C2+-1	3-ZD202	AB		
VHEDZH3001+-1	3-ZD201	AB		
VHi24C02///-1	18-U5	AE	N	
VHi3664164T-1	18-U6	BB	N	
VHi7404-14P-1	18-U1	AC	N	
VHi74HC374/-1	18-U12	AF	N	
VHiAN78L05/-1	1-iC204	AE		
VHiAT24C04/-1	1-iC702	AH		
VHiAT5654H/-1	18-U10	AK	N	
VHiES6603S/-1	18-U13	AS	N	
VHiES6629F/-1	18-U2	BG	N	
VHiKiA7805APi	1-iC201	AF		
VHiKiA7812APi	1-iC202	AE		
VHiLA1832S/-1	1-iC303	AN		
VHiLC72131/-1	1-iC302	AP		
VHiLC75341M-1	1-iC601	AM		
〃	1-iC603	AM		
VHiLM2576T/-1	1-iC203	AR		
VHiLM4781TA-1	1-iC101	AZ	N	
VHiNJM4558D-1	1-iC602	AH		
〃	18-U3	AH		
〃	18-U8	AH		
VHiTA7358AP-1	1-iC301	AG		
VHiTL3472//-1	18-U7	AE	N	
VHiV6300-5L-1	18-U9	AG	N	
VHiWM8746//-1	18-U4	AR	N	
VHLGP1UD261-1	11-RX701	AK		
VHPBFTX1001-1	11-S903	AK		
VHPLP3052A+-1	3-LED701	AC		
VP-DH100K0000	6-L103	AB		
VP-DH101K0000	6-L351	AB		
〃	6-L352	AB		
VP-DH102K0000	6-L353	AB		
VP-DH2R2K0000	6-L105	AB		
〃	6-L601	AB		
VP-DHR82K0000	6-L502	AE		
〃	6-L503	AE		
〃	6-L701	AE		
〃	6-L703	AE		
〃	6-L704	AE		
〃	6-L705	AE		
〃	6-L707	AE		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	6-L708	AE		
VRD-RT2HD300J	10-R214	AA		
VRD-ST2CD102J	10-R113	AA		
〃	10-R114	AA		
〃	10-R115	AA		
〃	10-R601	AA		
〃	10-R602	AA		
〃	10-R603	AA		
〃	10-R636	AA		
〃	10-R648	AA		
〃	10-R658	AA		
〃	10-R678	AA		
〃	10-R686	AA		
〃	10-R701	AA		
〃	10-R703	AA		
〃	10-R705	AA		
〃	10-R706	AA		
〃	10-R707	AA		
〃	10-R709	AA		
〃	10-R710	AA		
〃	10-R714	AA		
〃	10-R715	AA		
〃	10-R722	AA		
〃	10-R723	AA		
〃	10-R728	AA		
〃	10-R729	AA		
〃	10-R730	AA		
〃	10-R731	AA		
〃	10-R732	AA		
〃	10-R746	AA		
〃	10-R747	AA		
〃	10-R748	AA		
〃	10-R749	AA		
〃	10-R750	AA		
〃	10-R755	AA		
〃	10-R757	AA		
〃	10-R799	AA		
VRD-ST2CD103J	10-R104	AA		
〃	10-R158	AA		
〃	10-R233	AA		
〃	10-R246	AA		
〃	10-R376	AA		
〃	10-R704	AA		
〃	10-R716	AA		
〃	10-R727	AA		
〃	10-R735	AA		
〃	10-R738	AA		
〃	10-R742	AA		
〃	10-R743	AA		
〃	10-R744	AA		
〃	10-R797	AA		
VRD-ST2CD104J	10-R140	AA		
〃	10-R142	AA		
〃	10-R623	AA		
VRD-ST2CD121J	10-R224	AA		
VRD-ST2CD122J	10-R631	AA		
〃	10-R765	AA		
〃	10-R766	AA		
〃	10-R780	AA		
〃	10-R781	AA		
VRD-ST2CD123J	10-R205	AA		
〃	10-R608	AA		
VRD-ST2CD152J	10-R380	AA		
〃	10-R767	AA		
〃	10-R782	AA		
VRD-ST2CD182J	10-R634	AA		
VRD-ST2CD202J	10-R768	AA		
VRD-ST2CD221J	10-R160	AA		
VRD-ST2CD222J	10-R783	AA		
VRD-ST2CD223J	10-R202	AA		
〃	10-R209	AA		
〃	10-R511	AA		
〃	10-R640	AA		
〃	10-R645	AA		
〃	10-R688	AA		
VRD-ST2CD272J	10-R733	AA		
VRD-ST2CD331J	10-R206	AA		
〃	10-R207	AA		
VRD-ST2CD333J	10-R303	AA		
VRD-ST2CD391J	10-R509	AA		
〃	10-R514	AA		
VRD-ST2CD392J	10-R612	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-R615	AA		
〃	10-R676	AA		
〃	10-R681	AA		
VRD-ST2CD473J	10-R204	AA		
〃	10-R395	AA		
〃	10-R624	AA		
〃	10-R625	AA		
VRD-ST2CD562J	10-R156	AA		
〃	10-R336	AA		
〃	10-R377	AA		
〃	10-R385	AA		
〃	10-R387	AA		
〃	10-R618	AA		
〃	10-R649	AA		
〃	10-R786	AA		
VRD-ST2CD681J	10-R684	AA		
VRD-ST2CD682J	10-R384	AA		
VRD-ST2CD822J	10-R651	AA		
VRD-ST2EE100J	10-R203	AA		
〃	10-R399	AA		
〃	10-R661	AA		
VRD-ST2EE101J	10-R516	AA		
VRD-ST2EE102J	10-R111	AA		
VRD-ST2EE121J	10-R630	AA		
VRD-ST2EE122J	10-R247	AA		
VRD-ST2EE220J	10-R301	AA		
VRD-ST2EE221J	10-R146	AA		
〃	10-R147	AA		
VRD-ST2EE331J	10-R382	AA		
〃	10-R386	AA		
VRD-ST2EE332J	10-R155	AA		
VRD-ST2EE391J	10-R391	AA		
〃	10-R392	AA		
VRD-ST2EE470J	10-R307	AA		
〃	10-R760	AA		
VRD-ST2EE471J	10-R149	AA		
〃	10-R150	AA		
〃	10-R309	AA		
VRD-ST2EE472J	10-R119	AA		
VRD-ST2EE473J	10-R159	AA		
VRD-ST2EE4R7J	10-R143	AA		
〃	10-R145	AA		
VRD-ST2EE6R8J	10-R134	AA		
〃	10-R135	AA		
〃	10-R136	AA		
VRS-CB1JF100J	24-RN1	AA	N	
〃	24-RN2	AA	N	
〃	24-RN3	AA	N	
VRS-CY1JB000J	10-R361	AA		
〃	10-R362	AA		
〃	10-R901	AA		
〃	10-R902	AA		
〃	10-R903	AA		
〃	10-R906	AA		
〃	10-R745B	AA		
〃	24-R41	AA		
〃	24-R42	AA		
〃	24-R44	AA		
〃	24-R45	AA		
〃	24-R73	AA		
〃	24-R75	AA		
〃	24-R77	AA		
〃	24-R79	AA		
〃	24-R80	AA		
〃	24-R82	AA		
〃	24-R181	AA		
VRS-CY1JB100J	24-R112	AA		
〃	24-R113	AA		
〃	24-R114	AA		
〃	24-R115	AA		
〃	24-R116	AA		
〃	24-R117	AA		
VRS-CY1JB101J	24-R76	AA		
〃	24-R154	AA		
VRS-CY1JB102J	10-R107	AA		
〃	10-R108	AA		
〃	10-R110	AA		
〃	10-R112	AA		
〃	10-R172	AA		
〃	10-R220	AA		
〃	10-R352	AA		
〃	10-R356	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-R371	AA		
〃	10-R372	AA		
〃	10-R373	AA		
〃	10-R374	AA		
〃	10-R393	AA		
〃	10-R604	AA		
〃	10-R605	AA		
〃	10-R606	AA		
〃	10-R607	AA		
〃	10-R617	AA		
〃	10-R628	AA		
〃	10-R629	AA		
〃	10-R635	AA		
〃	10-R679	AA		
〃	10-R680	AA		
〃	10-R685	AA		
〃	10-R691	AA		
〃	10-R696	AA		
〃	10-R702	AA		
〃	10-R708	AA		
〃	10-R713	AA		
〃	10-R718	AA		
〃	10-R719	AA		
〃	10-R720	AA		
〃	10-R721	AA		
〃	10-R740	AA		
〃	10-R751	AA		
〃	10-R758	AA		
〃	10-R761	AA		
〃	10-R762	AA		
〃	10-R776	AA		
〃	10-R501A	AA		
〃	10-R502A	AA		
〃	10-R503A	AA		
〃	10-R504A	AA		
〃	10-R505A	AA		
〃	10-R506A	AA		
〃	10-R507A	AA		
〃	10-R508A	AA		
〃	24-R69	AA		
〃	24-R70	AA		
〃	24-R71	AA		
〃	24-R150	AA		
〃	24-R152	AA		
VRS-CY1JB103J	10-R105	AA		
〃	10-R175	AA		
〃	10-R211	AA		
〃	10-R217	AA		
〃	10-R219	AA		
〃	10-R241	AA		
〃	10-R308	AA		
〃	10-R365	AA		
〃	10-R381	AA		
〃	10-R655	AA		
〃	10-R677	AA		
〃	10-R692	AA		
〃	10-R737	AA		
〃	10-R739	AA		
〃	10-R756	AA		
〃	10-R771	AA		
〃	10-R777	AA		
〃	10-R778	AA		
〃	10-R787	AA		
〃	10-R788	AA		
〃	10-R789	AA		
〃	10-R501B	AA		
〃	10-R502B	AA		
〃	10-R503B	AA		
〃	10-R504B	AA		
〃	10-R505B	AA		
〃	10-R506B	AA		
〃	10-R507B	AA		
〃	10-R508B	AA		
〃	24-R118	AA		
〃	24-R119	AA		
〃	24-R120	AA		
〃	24-R121	AA		
〃	24-R122	AA		
〃	24-R123	AA		
〃	24-R124	AA		
〃	24-R125	AA		
〃	24-R126	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	24-R127	AA		
VRS-CY1JB104J	10-R141	AA		
〃	10-R245	AA		
〃	10-R302	AA		
〃	10-R622	AA		
〃	10-R675	AA		
〃	10-R683	AA		
〃	10-R764	AA		
〃	24-R91	AA		
〃	24-R92	AA		
〃	24-R93	AA		
〃	24-R94	AA		
〃	24-R95	AA		
〃	24-R96	AA		
〃	24-R97	AA		
〃	24-R98	AA		
〃	24-R99	AA		
〃	24-R100	AA		
〃	24-R101	AA		
〃	24-R102	AA		
〃	24-R103	AA		
〃	24-R104	AA		
VRS-CY1JB105J	24-R130	AA		
〃	24-R131	AA		
VRS-CY1JB106J	10-R741	AA		
〃	24-R129	AA		
VRS-CY1JB121J	10-R779	AA		
VRS-CY1JB122J	10-R232	AA		
〃	10-R234	AA		
〃	24-R151	AA		
VRS-CY1JB123J	10-R201	AA		
〃	10-R610	AA		
〃	10-R611	AA		
〃	10-R614	AA		
〃	24-R153	AA		
〃	24-R164	AA		
VRS-CY1JB151J	24-R179	AA		
VRS-CY1JB152J	10-R221	AA		
〃	10-R223	AA		
〃	24-R148	AA		
〃	24-R149	AA		
VRS-CY1JB182J	10-R359	AA		
VRS-CY1JB183J	10-R122	AA		
〃	10-R123	AA		
〃	10-R157	AA		
〃	24-R105	AA		
〃	24-R106	AA		
〃	24-R107	AA		
〃	24-R108	AA		
VRS-CY1JB203J	24-R178	AA		
VRS-CY1JB221J	10-R712	AA		
〃	10-R724	AA		
〃	10-R725	AA		
VRS-CY1JB222J	10-R312	AA		
〃	10-R366	AA		
〃	10-R379	AA		
〃	10-R643	AA		
〃	10-R644	AA		
VRS-CY1JB223J	10-R212	AA		
〃	10-R512	AA		
〃	10-R641	AA		
〃	10-R662	AA		
〃	10-R663	AA		
〃	10-R665	AA		
〃	10-R666	AA		
〃	10-R667	AA		
〃	10-R687	AA		
〃	24-R145	AA		
〃	24-R146	AA		
〃	24-R147	AA		
VRS-CY1JB2490	24-R36	AA	N	
VRS-CY1JB271J	10-R353	AA		
〃	10-R773	AA		
VRS-CY1JB272J	10-R350	AA		
〃	10-R769	AA		
〃	10-R784	AA		
VRS-CY1JB273J	10-R216	AA		
VRS-CY1JB330J	10-R306	AA		
〃	10-R314	AA		
〃	10-R315	AA		
〃	24-R6	AA		
〃	24-R7	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	24-R8	AA		
〃	24-R9	AA		
〃	24-R10	AA		
〃	24-R11	AA		
〃	24-R12	AA		
〃	24-R13	AA		
〃	24-R14	AA		
〃	24-R15	AA		
〃	24-R16	AA		
〃	24-R17	AA		
〃	24-R18	AA		
〃	24-R19	AA		
〃	24-R20	AA		
〃	24-R21	AA		
〃	24-R22	AA		
〃	24-R23	AA		
〃	24-R24	AA		
〃	24-R25	AA		
〃	24-R26	AA		
〃	24-R27	AA		
〃	24-R28	AA		
〃	24-R29	AA		
〃	24-R30	AA		
〃	24-R31	AA		
〃	24-R32	AA		
〃	24-R33	AA		
〃	24-R34	AA		
VRS-CY1JB331F	24-R5		N	
VRS-CY1JB331J	10-R316	AA		
VRS-CY1JB332J	10-R210	AA		
〃	10-R215	AA		
〃	10-R355	AA		
〃	10-R763	AA		
〃	24-R83	AA		
〃	24-R84	AA		
〃	24-R85	AA		
〃	24-R86	AA		
〃	24-R87	AA		
〃	24-R88	AA		
〃	24-R89	AA		
〃	24-R90	AA		
VRS-CY1JB333J	10-R124	AA		
〃	24-R161	AA		
〃	24-R162	AA		
〃	24-R163	AA		
VRS-CY1JB391J	10-R521	AA		
VRS-CY1JB3920	24-R177	AA	N	
VRS-CY1JB392J	10-R613	AA		
〃	10-R694	AA		
〃	10-R770	AA		
〃	10-R785	AA		
〃	24-R111	AA		
VRS-CY1JB393J	10-R116	AA		
〃	10-R117	AA		
〃	10-R118	AA		
VRS-CY1JB4120	24-R3	AA	N	
〃	24-R4	AA	N	
VRS-CY1JB471J	10-R151	AA		
〃	10-R510	AA		
〃	10-R513	AA		
VRS-CY1JB472J	10-R161	AA		
〃	10-R162	AA		
〃	10-R310	AA		
〃	10-R360	AA		
〃	10-R620	AA		
〃	10-R621	AA		
〃	24-R133	AA		
〃	24-R134	AA		
〃	24-R135	AA		
〃	24-R136	AA		
〃	24-R137	AA		
〃	24-R138	AA		
〃	24-R139	AA		
〃	24-R140	AA		
〃	24-R141	AA		
〃	24-R142	AA		
〃	24-R143	AA		
〃	24-R144	AA		
VRS-CY1JB473J	10-R163	AA		
〃	10-R218	AA		
〃	10-R304	AA		
〃	10-R609	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-R616	AA		
〃	24-R159	AA		
〃	24-R160	AA		
VRS-CY1JB474J	10-R213	AA		
〃	10-R228	AA		
〃	10-R357	AA		
VRS-CY1JB4R7J	10-R144	AA		
VRS-CY1JB512J	24-R174	AA		
〃	24-R175	AA		
VRS-CY1JB562J	10-R351	AA		
〃	10-R383	AA		
〃	10-R619	AA		
〃	10-R642	AA		
〃	10-R646	AA		
〃	10-R659	AA		
〃	10-R772	AA		
VRS-CY1JB563J	10-R137	AA		
〃	10-R138	AA		
〃	10-R139	AA		
〃	10-R526	AA		
VRS-CY1JB680J	24-R40	AA		
VRS-CY1JB6810	24-R1	AA	N	
〃	24-R2	AA	N	
VRS-CY1JB681J	10-R305	AA		
〃	10-R313	AA		
〃	10-R682	AA		
VRS-CY1JB682J	10-R154	AA		
〃	24-R165	AA		
〃	24-R166	AA		
〃	24-R167	AA		
〃	24-R168	AA		
VRS-CY1JB683J	10-R323	AA		
〃	24-R176	AA		
VRS-CY1JB750J	10-R904	AA		
〃	10-R905	AA		
VRS-CY1JB820J	10-R775	AA		
〃	24-R169	AA		
〃	24-R170	AA		
〃	24-R171	AA		
〃	24-R172	AA		
〃	24-R173	AA		
VRS-CY1JB822J	10-R358	AA		
VRS-CY1JB823J	10-R752A	AA		
〃	10-R752B	AA		
〃	10-R752C	AA		
〃	10-R752D	AA		
〃	10-R752E	AA		
〃	10-R752F	AA		
〃	10-R752G	AA		
〃	10-R752H	AA		
〃	10-R752i	AA		
〃	10-R752J	AA		
〃	10-R752K	AA		
〃	10-R753A	AA		
〃	10-R753B	AA		
〃	10-R753C	AA		
〃	10-R753D	AA		
〃	10-R753E	AA		
〃	10-R753F	AA		
〃	10-R753G	AA		
〃	10-R753H	AA		
〃	10-R753i	AA		
〃	10-R753J	AA		
〃	10-R753K	AA		
〃	10-R753L	AA		
〃	10-R753M	AA		
〃	10-R753N	AA		
〃	10-R753O	AA		
〃	10-R753P	AA		
〃	10-R753Q	AA		
〃	10-R753R	AA		
〃	10-R753S	AA		
〃	10-R753T	AA		
VRS-CY1JB912J	24-R109	AA		
〃	24-R110	AA		
VRS-CY2AB000J	24-R38		N	
〃	24-R39		N	
〃	24-R180		N	
〃	24-R182		N	
VRS-TV2AB1R0J	24-R155	AA		
〃	24-R156	AA		
〃	24-R157	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	24-R158	AA		
VRS-TV2AB3R3J	24-R35	AA		
〃	24-R49	AA		
VRS-TV2AB750J	24-R53	AA		
〃	24-R54	AA		
VRS-VV3AA271J	10-R525	AB		
VS2HA1015GR-1	2-Q201	AB		
〃	2-Q204	AB		
〃	2-Q360	AB		
VS2HC1815GR-1	2-Q101	AB		
〃	2-Q102	AB		
〃	2-Q109	AB		
〃	2-Q112	AB		
〃	2-Q113	AB		
〃	2-Q114	AB		
〃	2-Q115	AB		
〃	2-Q118	AB		
〃	2-Q205	AB		
〃	2-Q206	AB		
〃	2-Q506	AB		
〃	2-Q507	AB		
〃	2-Q703	AB		
〃	2-Q704	AB		
〃	2-Q705	AB		
VS2N2907//+-1	19-Q5	AB	N	
VS2N3904//+-1	19-Q14	AB		
〃	19-Q15	AB		
VS2SA1235F+-1	2-Q208	AD		
VS2SB1132//-1	19-Q10	AD	N	
〃	19-Q11	AD	N	
VS2SB562-C/-1	2-Q117	AD		
〃	2-Q213	AD		
〃	2-Q503	AD		
VS2SC3052F+-1	2-Q107	AD		
〃	2-Q108	AD		
〃	2-Q207	AD		
〃	2-Q214	AD		
VS2SC535-C/-1	2-Q202	AC		
〃	2-Q302	AC		
〃	2-Q306	AC		
VS2SC8050//-1	19-Q21	AB	N	
VS2SK3018//-1	19-Q12	AC	N	
〃	19-Q13	AC	N	
VSAMS1117//-1	19-Q1	AE	N	
〃	19-Q2	AE	N	
〃	19-Q3	AE	N	
VSBAT54S///-1	19-Q16	AC	N	
〃	19-Q17	AC	N	
〃	19-Q18	AC	N	
〃	19-Q19	AC	N	
〃	19-Q20	AC	N	
VSKRA107M//-1	2-Q110	AE		
VSKRC102M//-1	2-Q502	AC		
〃	2-Q702	AC		
VSKRC104M//-1	2-Q351	AC		
VSKRC107M//-1	2-Q111	AC		
〃	2-Q116	AC		
VSKTA1271Y/-1	2-Q505	AC		
〃	2-Q508	AC		
VSKTC3200GR-1	2-Q203	AC		
VSKTC3203Y/-1	2-Q504	AC		
〃	2-Q509	AC		
〃	2-Q511	AC		
VVK251116//-1	11-VFD701	AV		
【 X 】				
XHBSN30P06000	13-604	AA		
XHBY930P08000	13-605	AA	N	
XJBSN20P03000	13-615		N	
XJBSN25P08000	13-606	AA		
XJBSN25P10000	13-607	AA		
XJBSN30P06000	13-608	AA		
XJBSN30P08000	13-609	AA		
XJBY930P08000	13-611		N	
XJBY930P10000	13-612	AA		
XJBY930P12000	13-613	AA		
XJPY930P06000	13-614	AA	N	
【 9 】				
9GD010804727	12-149	AC		
9GD010814710	12-144	AC		
9GD010814711	12-143	AC		
9GD010814712	12-145	AC		
9GD010814739	12-156	AH		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
9GD010824696	12-148	AD		
9GD010824717	12-150	AG		
9GD010824718	12-151	AD		
9GD010824736	12-153	AD		
9GD010824754	12-155		N	
9GD010824755	12-154		N	
9GD010824764	12-152		N	
9GD020834262	12-169	AG		
9GD033004577	12-167	AC		
9GD033004581	12-166	AB		
9GD033004584	12-170	AB		
9GD033004585	12-165	AB		
9GD581194039	12-112	AE		
9GD582593021	12-111	AE		
9GD620634031	13-249		N	
9GD660004091	12-142	AD		
9GD660824059	12-146	AD		
9GD660824060	12-147	AD		
9GD660934072H	12-133	AK		
9GD660934076H	12-132	BA		
9GD660934077H	12-124	AM		
9GD660934116H	12-103		N	
9GD660934121H	12-157		N	
9GD660934122H	12-158		N	
9GD660934123H	12-159		N	
9GD660934124H	12-160		N	
9GD660934162H	12-125		N	
9GD660934179H	12-115		N	
9GD661192094	12-114	AU		
9GD662101001	12-123	AZ		
9GD662112002	12-119	AR		
9GD662112175	12-121		N	
9GD662192003	12-136	AL		
9GD662192019	12-104	AP		
9GD662213021	12-137	AM		
9GD662224010	12-113	AG		
9GD662224013	12-106	AD		
9GD662224014	12-107	AD		
9GD662224015	12-127	AD		
9GD662224016	12-129	AD		
9GD662224088	12-140	AH		
9GD662224089	12-141	AH		
9GD662233009	12-135	AL		
9GD662392022	12-126	AL		
9GD662392085	12-116	AP		
9GD662393005	12-118	AK		
9GD662393006	12-122	AK		
9GD662393007	12-117	AK		
9GD662393008	12-120	AK		
9GD662393017	12-131	AF		
9GD662393018	12-108	AG		
9GD662393020	12-110	AE		
9GD662393023	12-134	AF		
9GD662393024	12-109	AF		
9GD662393025	12-105	AE		
9GD662393039	12-128	AF		
9GD662593086	12-138	AG		
9GD662593090	12-139	AL		
9GD662641004	12-101	AU		
9GD662641033	12-102	AP		
9GD663634068	12-130	AG		
9GDGSL15A2608	12-164	AC		
9GDGSL15A2616	12-163	AC		
9GDGSL20A2606	12-161	AB		
9GDGSP14A2504	12-162	AC		

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

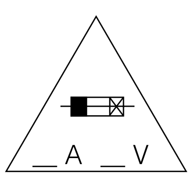
VCC .... Ceramic type
VCK .... Ceramic type
VCT .... Semiconductor type
VC • • MF .... Cylindrical type (without lead wire)
VC • • MN .... Cylindrical type (without lead wire)
VC • • TV .... Square type (without lead wire)
VC • • TQ .... Square type (without lead wire)
VC • • CY .... Square type (without lead wire)
VC • • CZ .... Square type (without lead wire)
VC • • • • • • • • • J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD .... Carbon-film type
VRS .... Carbon-film type
VRN .... Metal-film type
VR • • MF .... Cylindrical type (without lead wire)
VR • • MN .... Cylindrical type (without lead wire)
VR • • TV .... Square type (without lead wire)
VR • • TQ .... Square type (without lead wire)
VR • • CY .... Square type (without lead wire)
VR • • CZ .... Square type (without lead wire)
VR • • • • • • • • • J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.



CAUTION:FOR CONTINUED
PROTECTION AGAINST FIRE
HAZARD, REPLACE ONLY WITH
SAME TYPE F201 6.3A, 125V,F202 6.3A, 125V,
F203 2A, 125V,F204 3.15A, 125V FUSES.

ATTENTION:POUR ASSURER
UNE LONGUE PROTECTION CONTRE
UN INCENDIE, REMPLACER SEULEMENT
PAR UN FUSIBLE DE
TYPE F201 6.3A, 125V,F202 6.3A, 125V,
F203 2A, 125V,F204 3.15A, 125V FUSES.

-MEMO-

-MEMO-

-MEMO-

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